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<td>100</td>
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</table>
List of High Schools

Academy of Arts and Sciences • 555 Portola Drive • (415) 695-5700

Asawa, Ruth - San Francisco School of the Arts (SOTA) • 555 Portola Drive • (415) 695-5700

Balboa High School • 1000 Cayuga Avenue • (415) 469-4090

Burton, Phillip and Sala High School • 400 Mansell Street • (415) 469-4550

Downtown High School • 693 Vermont Street • (415) 695-5860

Galileo High School • 1150 Francisco Street • (415) 749-3430

Independence High School • 1350 7th Avenue • (415) 242-5000

International Studies Academy • 655 De Haro Street • (415) 695-5866

Jordan, June High School • 325 La Grande Avenue • (415) 452-4922

Lincoln, Abraham High School • 2162 24th Avenue • (415) 759-2700

Lowell High School • 1101 Eucalyptus Drive • (415) 759-2730

Marshall, Thurgood High School • 45 Conkling Street • (415) 695-5612

Mission High School • 3750 - 18th Street • (415) 241-6240

O’Connell, John High School • 2355 Folsom Street • (415) 695-5370

S. F. International High School • 1050 York Street • (415) 695-5781

Wallenberg, Raoul High School • 40 Vega Street • (415) 749-3469

Washington, George High School • 600 32nd Avenue • (415) 750-8400

Wells, Ida B. High School • 1099 Hayes Street • (415) 241-6315
SFUSD Graduation Requirements

In 2008, the SFUSD Board of Education modified the graduation requirements so that all students would meet the UC/CSU entrance requirements (commonly called the a-g requirements).

In the “a-g” requirements, each subject area is associated with an letter – “a” is social studies, “b” is English, etc. Completion of the SFUSD graduation requirements provides students with the option to apply for any program of study that would lead to their career goals.

In addition to the UC/CSU requirements, the state of California has several requirements including completing two years of physical education and passing the CAHSEE.

<table>
<thead>
<tr>
<th>Subject Area</th>
<th>SFUSD Requirement</th>
<th># of years</th>
</tr>
</thead>
<tbody>
<tr>
<td>a - Social Studies*</td>
<td>30</td>
<td>3 years</td>
</tr>
<tr>
<td>b - English</td>
<td>40</td>
<td>4 years</td>
</tr>
<tr>
<td>c - Mathematics</td>
<td>30</td>
<td>3 years</td>
</tr>
<tr>
<td>d - Science</td>
<td>20</td>
<td>2 years</td>
</tr>
<tr>
<td>e – LOTE (Language other than English)</td>
<td>20</td>
<td>2 years</td>
</tr>
<tr>
<td>f – Arts</td>
<td>10</td>
<td>1 year</td>
</tr>
<tr>
<td>PE</td>
<td>20</td>
<td>2 years</td>
</tr>
<tr>
<td>Health</td>
<td>5</td>
<td>1 semester</td>
</tr>
<tr>
<td>College &amp; Career</td>
<td>5</td>
<td>1 semester</td>
</tr>
<tr>
<td>Electives (one must be a “g” elective)</td>
<td>50</td>
<td>5 years</td>
</tr>
<tr>
<td>CAHSEE</td>
<td>Pass</td>
<td></td>
</tr>
<tr>
<td>TOTAL</td>
<td>230</td>
<td></td>
</tr>
</tbody>
</table>

Students pass courses with a grade of “D” or better. To apply for UC/CSU, student must earn a grade of “C” or better, but many schools are competitive and may require a higher GPA.

A course planner that helps students determine their progress is on the next page. Students should meet regularly with their counselor to ensure they are meeting all requirement.

* The required economics course is technically a g-social studies course, but is included as a required “a” – social studies course.
Graduation Requirements

Name: 
Current career goal: 
Current college/post-high school training choices: 

To graduate with an SFUSD diploma, students must earn 230 credits including the following coursework and tests:

<table>
<thead>
<tr>
<th>Social Studies – 30 credits</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>☐ World History</td>
<td>☐ U.S. History</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>English – 40 credits</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>☐ English – 9th</td>
<td>☐ English – 10th</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Mathematics – 30 credits</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>☐ Algebra</td>
<td>☐ Geometry</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Science – 20 credits</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>☐ Biology</td>
<td>☐ Chemistry or ☐ Physics</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Language Other Than English (Chinese, Spanish, etc.) – 20 credits</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>☐ Year 1 LOTE</td>
<td>☐ Year 2 LOTE (same language)</td>
</tr>
</tbody>
</table>

*There are other ways to verify your LOTE – talk with your counselor about the options.*

<table>
<thead>
<tr>
<th>Visual and Performing Arts – VAPA – 10 credits</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>☐ 1 year of dance, music, art, or similar</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Electives – 50 credits – 10 must be an A-G course</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>☐ elective (A-G)</td>
<td>☐ elective</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Physical Education</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>☐ Physical Education 1</td>
<td>☐ Physical Education 2</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>College and Career/Health – 10 credits</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>☐ College and Career</td>
<td>☐ Health</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CA Exit Exam – CAHSEE</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>☐ CAHSEE Language Arts</td>
<td>☐ CAHSEE Math</td>
</tr>
</tbody>
</table>
**SFUSD: Our Mission, Vision and Goals**
The purpose of the San Francisco Unified School District is to provide each student with an equal opportunity to succeed by promoting intellectual growth, creativity, self-discipline, cultural and linguistic sensitivity, democratic responsibility, economic competence, and physical and mental health so that each student can achieve his or her maximum potential.

**Vision**
Every student who attends SFUSD schools will graduate from high school ready for college and careers and equipped with skills, capacities, and dispositions necessary for 21st century success.

**Goals**
*Access and Equity*
Make social justice a reality by ensuring every student has access to high quality teaching and learning.

*Student Achievement*
Create learning environments in all SFUSD schools that foster highly engaged and joyful learners and that support every student reaching his or her potential.

*Accountability*
Keep district promises to students and families and enlist everyone in the community to join in doing so.

**Beliefs**
The achievement gap is the greatest civil rights issue facing SFUSD. It is possible to increase academic achievement of high performing students and accelerate achievement of those currently less academically successful.

Quality schools offer engaging and challenging programs, caring and committed staff, strong and visible leaders and instruction differentiated to meet each child’s needs.

Authentic partnerships are essential to achieving our vision for student success.

**Theory of Action**
A theory of action identifies the levers to ensure our vision of graduating every student ready for college, career and life comes true. Our Theory of Action:

*If we...*
- Engage students to learn a rigorous Common Core-based curriculum
- Invest in the professional learning of teachers, leaders and school staff
- Enlist our partners and engage families in a community schools approach
- Align school and central office supports and resources to our Six Strategies for Success

*Then, every student who enrolls in our schools will graduate ready for college, career and life.*

**Six Strategies for Success**
These are our highest leverage strategies to impact all levels of the system and meet our goal of for raising student achievement.

1. Implement the SFUSD Core Curriculum and use student data to make informed decisions and monitor our progress toward goals.
2. Provide tiered levels of academic and behavior support to all students using a Response to Instruction and Intervention (RTI²) model.
3. Build a clear vision, culture and conditions for college and career readiness at all school levels.
4. Differentiate central office supports to schools through a Multi-Tiered System of Supports (MTSS).
5. Recruit, develop and retain highly qualified teachers, leaders and staff.
6. Increase awareness and build the supports necessary to fully implement SFUSD’s Family Engagement Standards.
Course Selection
In selecting courses for each school year, students and families should review student transcripts and complete or revise the students’ educational plan. Students must complete all SFUSD graduation requirements. In addition, they should select courses that support their plans for college and career plans. The course descriptions contained in this catalog will help students and their families understand what each course will offer and will assist them in making their final selections for registration. Not all courses are offered in every high school. Courses are usually offered at a site when there is enough student interest. Please check with the office at your student’s school for a list of courses offered at the school.

High school report cards
Students receive letter grades for each class in high school. There are three report cards per semester (one every six weeks). Semester grades become part of a student’s permanent record, called a transcript. The report card also shows tardies, absences, as well as the number of academic credits earned in each course. Students must earn a minimum grade of a D to pass each course and earn at least 30 credits to graduate on time.

High school graduation
High school students must meet the following requirements in order to graduate:
• 230 credits in required subjects (semester course = 5 credits, year course = 10 credits)
• passage of the California High School Exit Exam (CAHSEE) in both math and English language arts.
Students who fail core coursework should attend summer or evening school to make up course credits. Students who earn a failing grade (F) in a course will not earn credit for that course and will be referred to a credit recovery program.

Most four-year colleges require additional coursework beyond SFUSD graduation requirements. To be eligible for application to any University of California or California State University college, a student must complete “a-g” requirements by earning a grade of C or better in a specific set of courses. It is very important to monitor your child’s progress in fulfilling the “a-g” requirements for college eligibility.

For a full listing of your school’s “a-g” list, visit www.ucop.edu/doorways.

California Community Colleges
Community Colleges are publicly funded schools that offer two-year programs of study as well as many career track options. This system of two-year public institutions, composed of 112 colleges organized into 72 districts statewide, serves more than 2.6 million students and represents the largest system of higher education in the world. Students can attend community college for two years and then transfer as a junior to a four-year college or university.

California State University (CSU)
The California State University (CSU) public system was designed to accommodate the top 33% of California high school graduates. With 23 campuses, 412,000 students, and 43,000 faculty and staff, the California State University is the largest, the most diverse university systems in the country. Admission is determined by the student’s GPA, plus either the ACT or SAT Reasoning Test score. The higher the GPA, the lower the test score required. An applicant must have at least a GPA of 2.0 and total score on the SAT or ACT which provides an eligibility index typically placing that student among the upper one-third of California High School graduates. A student (who is a resident of California) with a GPA of 3.00 or above qualifies with any test score. The GPA is based upon grades 10 and 11, and only includes college preparatory classes. San Francisco State University, Sacramento State University, and California State University East Bay are local
CSU campuses. For more information, visit the following website: www.calstate.edu.

**The University of California (UC)**

University of California is a public post-secondary educational system designed to admit the top 12.5% of students in the state. The UC system includes 10 campuses, more than 222,000 students, and 121,000 faculty and staff. Admission is determined by the student’s GPA, the SAT Reasoning Test or ACT score, SAT Subject Test scores, outreach program participation, leadership, extra-curricular activity participation, work experience, and/or community service. Seniors who meet minimum eligibility requirements are guaranteed admission into at least one school in the UC system, but are not guaranteed admission to the campus of their choice. UC Berkeley, UC Santa Cruz, and UC Davis are local UC campuses. For more information, visit the following website: www.universityofcalifornia.edu.

**Independent Colleges and Universities**

There are 75 nonprofit independent colleges & universities in California. Students wishing to apply to private schools, whether in or out of state, or out of state public schools are advised to check the specific admission requirements for the schools in which they are interested. For more information, visit the following website: www.aiccu.edu.

**College Entrance Tests**

The Preliminary Scholastic Aptitude Test/National Merit Scholarship Qualifying Test (PSAT/NMSQT) is intended to help students prepare for the SAT. The test measures critical reading, mathematics and writing skills. While the PSAT is shorter than its SAT counterpart, it follows the same general format. Unlike the SAT, there is no essay requirement on the PSAT. The National Merit Scholarship Corporation uses PSAT scores of 11th grade students to determine how to distribute their national merit-based scholarships. The PSAT is given once per year in mid-October. All 10th grade SFUSD students are given the PSAT, at no cost to students. For more information, visit the following website: www.collegeboard.com.

**The SAT Reasoning Test** is a measure of the critical thinking skills students need for academic success in college. The SAT has three sections including: Critical Reading, Writing, and Mathematics. Each section of the SAT is scored on a scale of 200—800, with two writing subscores for multiple-choice and the essay. The SAT includes several different question types, including: a student-produced essay, multiple-choice questions, and student-produced responses (grid-ins). The SAT is administered several times per year and is typically taken by 11th and 12th grade students. Fee waivers are available at school sites. For information on test dates and registration procedures, visit the following website: www.collegeboard.com.

**The SAT Subject Tests** is the collective name for 20 multiple choice standardized tests given on individual subjects. A student typically chooses which tests to take depending upon college entrance requirements for the schools in which he or she is planning to apply. Each test is one hour long and a student may take up to three SAT Subject Tests on any given date. The SAT Subject Tests are typically administered on the same dates as the SAT Reasoning Test. The language tests with listening are generally available only once a year, in November. Fee waivers are available at school sites. For information on test dates and registration procedures, visit the following website: www.collegeboard.com.

**Career Technical Education (CTE)**

CTE offers students a variety of academies that connect classroom learning with real-world experiences. This connection builds the groundwork so that students succeed in high school and graduate with a clear plan to pursue their college and career goals. These academies aim to ensure that students will understand and practice 21st century skills. Our programs link
schools with businesses and community partners to prepare students for high-wage and high-demand career paths.

Each Academy focuses on a specific industry such as engineering, health sciences, finance, or similar. Students in CTE Academies learn what it means to be a successful college student and employee and most classes are a-g approved. Academy students learn through a variety of projects, hands-on assignments, field trips, and job shadows that make learning relevant and fun. Students and teachers work together for 2-3 years to form a community bond.

Students are able to request high schools through the SFUSD open enrollment process during their 8th grade year. Once at the high school, students can meet with their academic counselor to choose a career academy that reflects their skills and interests. Academy courses begin in the 10th or 11th grade year; participation is a 2-3 year commitment depending on the program.

Honors Courses Honors courses provide an in-depth program with focus on critical thinking skills at the highest levels. More outside work is required as compared to the regular high school course. These courses are designed to prepare the student for more rigorous Advanced Placement® courses; because of the high caliber of curriculum, these courses are awarded additional weight in the Academic GPA.

Advanced Placement® (AP) Advanced Placement® courses expose high school students to college-level material. Students may study challenging subjects of interest in a variety of areas depending on your school site offerings. You may enroll in an AP course if you meet the prerequisite courses and choose to participate in this advanced course of study. Students who attain acceptable scores on the exams (score of 3, 4, or 5) may qualify for college credits or exemption from certain courses. Because of the high caliber of curriculum, these courses are awarded additional academic weight in the Academic GPA. State funds are available to cover the costs of AP examination fees. See page 50 for a listing of current AP offerings at SFUSD school sites. For more information, contact the AP Coordinator at your school site.

California High School Exit Exam (CAHSEE) All 10th grade students are required by state law to take the California High School Exit Exam (CAHSEE). This test assesses student achievement in English language arts (ELA) and mathematics. All students, including those with disabilities, are required to pass both the ELA and the math tests in order to graduate from high school. When provided for in their Individualized Education Plan (IEP) or 504 plan, disabled students will be given appropriate accommodations and/or modifications as determined by the IEP or 504 team. The ELA section of the tests includes multiple-choice questions and a writing task. It covers vocabulary, informational reading, literary reading, writing strategies, writing applications, and writing conventions. The mathematics portion consists of multiple-choice questions covering statistics, data analysis, probability, number sense, measurement, geometry, algebra, functions, and mathematical reasoning. The report includes your child’s scores, the scores required to pass, and your child’s pass/fail status. It also includes a breakdown of how he or she performed in specific areas of ELA and math. All students have additional opportunities to take this test in grades 11 and 12 if they do not pass either or both sections of the test in grade 10. If your child needs to retake the test, speak with your student’s counselor and teachers to understand the skills and concepts he or she most needs to improve in order to pass. Check www.cde.ca.gov for additional information on CAHSEE, including test questions and study guides, or with your child’s teacher, counselor, or principal. For more information, contact the CAHSEE Coordinator.
Coordination Office at 1025 Second Avenue.
Phone: (510) 879-8859

Extended Learning and Support

The Office of Extended Learning and Support strives to meet SFUSD’s strategic goals by providing various credit recovery options. Credit recovery options include evening school, summer school and online courses. Credit recovery and credit-earning options are offered to high school students who:

- Need credit recovery (Grade of F in original course)
- Want to retake a course to improve grade (Grade of D in original course)
- Have not taken a required course for graduation

Contact ExLS at 415-379-7760.

Non-Discrimination Policy
San Francisco Unified School District programs, activities, and practices shall be free from unlawful discrimination, harassment, intimidation, and bullying of any pupil based on the pupil's actual race, color, ancestry, national origin, ethnic group identification, age, religion, marital or parental status, physical or mental disability, sex, sexual orientation, gender, gender identity, or gender expression; the perception of one or more of such characteristics; or association with a person or group with one or more of these actual or perceived characteristics. This policy applies to all acts related to school activity or school attendance occurring within a school under the jurisdiction of the superintendent of the school district (Education Code 234.1).
California High School Exit Exam (CAHSEE)

What is CAHSEE?

All California public school students are required to pass the CAHSEE and meet all other state and local requirements to earn a high school diploma. The purpose of the CAHSEE is to improve student achievement in high school and to ensure that graduating students can demonstrate grade level competency in English language arts and mathematics, as defined by California State's academic content standards.

Who takes CAHSEE?

9th grade students: All students will receive notification in the fall of their freshman year regarding the requirement to take the CAHSEE as sophomores.

10th grade students: All students will take CAHSEE in March of their sophomore year.

11th grade students: All students who have not taken or passed one or more parts of the CAHSEE will have two opportunities to retake the test in November and February of their junior year.

12th grade students: All students who have not taken or passed one or more parts of the CAHSEE will have at least three opportunities to retake the test in their senior year. Students will be offered opportunities to retake the test for two years after 12th grade.

Is Help Available?

Most schools offer CAHSEE prep courses.

Any student whose IEP or 504 plan specifies the need for accommodations or modifications must be allowed to use them. Students who use an accommodation and earn a score of 350 or higher have passed that part of the CAHSEE. Students who use a modification and have earned a score of 350 or higher may be eligible for a diploma, if the district school board grants a waiver of the requirement to pass the CAHSEE.

All English Learners are required to take the CAHSEE in the 10th grade. They are allowed some testing variations such as use of translation glossaries or word lists (English to primary language) that do not include definitions, and oral directions that are translated into the student's primary language.

Program Resources for Parents

Additional information about CAHSEE is posted on the California Department of Education's website at:

http://www.cde.ca.gov/ta/tq/hs/resources.asp

Information can be downloaded on the following:

Released Test Questions in ELA and Math
Student Study Guides in Mathematics and English-Language Arts
**Understanding a Course Description**

The sample course description is explained in the table below.

**AP Macroeconomics**  
ECON351  
A study of macroeconomic forces in a capitalist economy. Topics include basic concepts, measurements of economic performance in the national economy, determination of prices and national income, and international economic activities.  
Grad Requirement: Economics  
UC/CSU Subject Area:  
CBEDS code: 2770

<table>
<thead>
<tr>
<th>Item</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>AP Macroeconomics</td>
<td>Course title ECON351</td>
</tr>
<tr>
<td></td>
<td>Course Code; some courses will include an A/B to indicate semester</td>
</tr>
<tr>
<td></td>
<td>A study of macroeconomic forces in a capitalist economy. Topics include basic concepts, measurements of economic performance in the national economy, determination of prices and national income, and international economic activities.</td>
</tr>
<tr>
<td></td>
<td>Course description</td>
</tr>
<tr>
<td>Grad Requirement: Economics</td>
<td>Identifies which graduation requirement the course meets</td>
</tr>
<tr>
<td>UC/CSU Subject Area: g</td>
<td>Identifies which a-g category the course meets. Sciences are listed as d1 (biology), d2 (physics), d3 (chemistry), and d4 (interdisciplinary). Students are required to complete d1 and d2 or d3.</td>
</tr>
<tr>
<td>CBEDS code: 2770</td>
<td>State course code</td>
</tr>
</tbody>
</table>
Social Studies

American Democracy  ADEM150-550
American Democracy is a one-semester course that develops an understanding of the institutions of American government, including the founding principles established in the Constitution; the relationship between citizens and the government; the nature of civil society in a democracy; the three branches of government and the checks and balances between them; the relationships between federal, state, and local governments; landmark Supreme Court decisions that have shaped these principles and institutions; the nature of electoral contests; and the role of communications media in civic life.
**Meets Graduation Requirement:** American Democracy
**Meets UC/CSU “a-g” subject area:** a, g

American Democracy Honors  ADEM250
American Democracy is a one-semester course that develops an understanding of the institutions of American government, including the founding principles established in the Constitution; the relationship between citizens and the government; the nature of civil society in a democracy; the three branches of government and the checks and balances between them; the relationships between federal, state, and local governments; landmark Supreme Court decisions that have shaped these principles and institutions; the nature of electoral contests; and the role of communications media in civic life. Honors courses differentiate the core curriculum within the specific content area by using a variety of methods that provide additional challenge and opportunities for students to perform to their highest potential. Honors students will meet the academic standards while learning to think in deeper and more complex ways
**Meets Graduation Requirement:** American Democracy
**Meets UC/CSU “a-g” subject area:** a, g

AP European History  EUHI350
Advanced Placement European History is the study of European history since 1450. It introduces students to cultural, economic, political, and social developments that played a fundamental role in shaping Europe as it exists today. In addition to providing a basic narrative of events and movements, the course teaches some of the principal themes in modern European history, the ability to analyze historical evidence and develop a historical interpretation, and the ability to express historical understanding in writing. This course prepares students for the AP European History.
**Meets Graduation Requirement:** World History
**Meets UC/CSU “a-g” subject area:** a, g

AP Government and Politics: Comparative GVPC350
Students learn to compare the governments and political systems of the United States, Great Britain, France, China, Russia, and either Mexico, Nigeria, or India. Topics of comparison include sources of public authority and political power, relationships between citizens and states, political institutions, and political change. Students also learn methodologies for making comparisons in a cross-cultural context. This course prepares student for the AP exam.
**Meets Graduation Requirement:** American Democracy
**Meets UC/CSU “a-g” subject area:** a, g

AP Government and Politics: United States GVUS350
A focus on six topics in political science: the fundamental concepts of government expressed in the United States Constitution; political beliefs and behaviors; political parties, interest groups, and the mass media; institutions of national government, including the Presidency, Congress, federal courts and the federal bureaucracy; public policy; and civil rights and civil liberties. Analytical and writing skills are emphasized. This is the first semester of a year-long course. The Advanced Placement Government & Politics: United States course provides an analytical perspective on government and politics in the United States. This course involves the study both of general concepts used to interpret U.S. politics and of specific case studies. Students learn about the institutions, groups, beliefs, and ideas that shape political activity in the United States. The Advanced Placement Government & Politics: United States course includes topics that are generally covered in college introductory political science courses.
**Meets Graduation Requirement:** American Democracy
**Meets UC/CSU “a-g” subject area:** a, g

AP Human Geography  GEOG350
The Advanced Placement course in Human Geography introduces students to the study of patterns and processes that have shaped human
understanding, use, and alteration of Earth’s surface. Students employ spatial concepts and landscape analysis to examine human social organization and its effects on the environment. They also learn about the methods and tools geographers use to study the interactions between people and the environment.

**Meets Graduation Requirement:** World History
**Meets UC/CSU “a-g” subject area:** a, g

**AP Macroeconomics**  ECON351
A study of macroeconomic forces in a capitalist economy. Topics include basic concepts, measurements of economic performance in the national economy, determination of prices and national income, and international economic activities.

**Meets Graduation Requirement:** Economics
**Meets UC/CSU “a-g” subject area:** g

**AP Microeconomics**  ECON352
A study of microeconomic forces in a capitalist economy. Topics include basic concepts; nature and functions of product, land, labor, and capital markets; and efficiency, equity, and the role of government in the economic system. The macroeconomics portion of the course gives students a thorough understanding of the principles of economics that apply to an economic system as a whole, including national income and price determination, economic performance measures, economic growth, and international economics. The microeconomics portion of the course provides a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the larger economic system. It emphasizes the nature of product markets, and includes the study of factor markets and the role of government in promoting greater efficiency and equity in the economy.

**Meets Graduation Requirement:** Economics
**Meets UC/CSU “a-g” subject area:** g

**AP Psychology B**  PSYC350B
An introduction to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students learn psychological facts, principles, and phenomena associated with each of the major subfields within psychology, and they learn about the methods psychologists use in their science and practice. This is the second semester of a year-long course. The Advanced Placement course in psychology introduces the scientific study of the behavior and mental processes of human beings and other animals. Students learn the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. Students also learn about the ethics and methods psychologists use in their work.

**Meets Graduation Requirement:** Elective
**Meets UC/CSU “a-g” subject area:** g

**AP United States History**  USHI350
An in-depth study of American history from the beginning of European exploration to the present. Political institutions and social change are major topics, but international relations, economic history and intellectual history are also included. The Advanced Placement exam includes written analysis of primary source documents. This is the first semester of a year-long course. The Advanced Placement United States History course provides students the knowledge and analytical skills necessary to critically assess events and issues in United States history. Students learn to analyze historical documents including their relevance to a particular issue, their reliability, and their importance and to weigh the evidence and interpretations presented by historians in secondary sources. Students develop the skills necessary to arrive at their own conclusions based on informed judgment and to present their reasoning and evidence clearly and persuasively in an essay format. This is the second semester of a year-long course. The Advanced Placement United States History course provides students the knowledge and analytical skills necessary to critically assess events and issues in United States history. Students learn to analyze historical documents including their relevance to a particular issue, their reliability, and their importance and to weigh the evidence and interpretations presented by historians in secondary sources. Students develop the skills necessary to arrive at their own conclusions based on informed judgment and to present their reasoning and evidence clearly and persuasively in an essay format.

**Meets Graduation Requirement:** US History
**Meets UC/CSU “a-g” subject area:** a, g

**AP World History**  WHST350
The Advanced Placement World History course develops greater understanding of the evolution of and interactions among different human societies, with a focus on the last 1,000 years. This understanding is advanced through development of
factual knowledge and appropriate interpretive skills, including analysis of evidence found in various types of historical documents. This develops an understanding of how political, economic, social, and technological factors combined to create changes in the relationships between peoples and nations.  

**Meets Graduation Requirement:** World History  
**Meets UC/CSU “a-g” subject area:** a, g

**Asian American History**  
**ASHS150**  
Asian American History explores the history of people of Asian descent in the Americas (but not including American Indian history). Beginning with colonial Spanish commerce between the Americas and East Asia but focusing primarily on Asian American experiences in the 19th and 20th centuries, the course explores Asian American contributions to economic development, Asian American challenges to discriminatory laws and practices, and the cultural evolution of various Asian American communities in the United States.  

**Meets Graduation Requirement:** Elective  
**Meets UC/CSU “a-g” subject area:** g

**Asian American Studies**  
**AAST150**  
Asian American History explores the history of people of Asian descent in the Americas (but not including American Indian history). Beginning with colonial Spanish commerce between the Americas and East Asia but focusing primarily on Asian American experiences in the 19th and 20th centuries, the course explores Asian American contributions to economic development, Asian American challenges to discriminatory laws and practices, and the cultural evolution of various Asian American communities in the United States.  

This course is taught in Chinese. This is the first semester of a year-long course. Asian American History explores the history of people of Asian descent in the Americas (but not including American Indian history). Beginning with colonial Spanish commerce between the Americas and East Asia but focusing primarily on Asian American experiences in the 19th and 20th centuries, the course explores Asian American contributions to economic development, Asian American challenges to discriminatory laws and practices, and the cultural evolution of various Asian American communities in the United States.  

**Meets Graduation Requirement:** Elective  
**Meets UC/CSU “a-g” subject area:** g

**California History**  
**CAHS150**  
The social, economic, political, and cultural development of the region now called California from the times of the American Indians to the present. California History includes American Indian history before the European invasion and afterward, Spanish colonial history, Mexican history from the 1820s to the 1840s, the Gold Rush and annexation by the United States, and the subsequent economic, political, and social development of the state. Themes include demographic evolution of the state, struggles over water rights, and the movements of groups excluded from the political structure at the founding of the state to overcome political, social, and economic discrimination.  

**Meets Graduation Requirement:** Elective  
**Meets UC/CSU “a-g” subject area:** n/a

**Cross Cultural**  
**CRLCL150**  
This course is designed to help understand the role of culture in human behavior. Students gain knowledge about cross-cultural transitions, as well as attend to and reflect on their encounters in a cultural context that is different from their native culture, and to integrate personal experiences and knowledge into practical implication of working with diverse individuals in different roles.  

**Meets Graduation Requirement:** Elective  
**Meets UC/CSU “a-g” subject area:** n/a

**Cultural America**  
**CAMR150**  
What is culture? What do we mean when we say "cultural diversity?" Is this a code for saying "people who don't look like we do?" And who is the "we" implied in that previous sentence? These are the kinds of questions we will explore in this class. This course examines the emergence of and dynamic patterns of interaction between cultural groups in the United States. The most obvious groups in American history are racial and/or ethnic groups, but there are other ways to think about difference that have meaning in the American social scene. What about religion? What about social class? What about regional variation? What about gender? What about sexual preference? While we will focus primarily on racial and ethnic groups, the larger aim of the class is to encourage students to think in more informed ways about all kinds of difference, to become more sophisticated in examining the way race and culture are used as terms in everyday speech, to gain insight into our own attitudes and to develop greater awareness of and curiosity about the many cultural worlds contained in these United States.  

**Meets Graduation Requirement:** Elective  
**Meets UC/CSU “a-g” subject area:** n/a
Democracy  ADEM650
American Democracy is a one-semester course that develops an understanding of the institutions of American government, including the founding principles established in the Constitution; the relationship between citizens and the government; the nature of civil society in a democracy; the three branches of government and the checks and balances between them; the relationships between federal, state, and local governments; landmark Supreme Court decisions that have shaped these principles and institutions; the nature of electoral contests; and the role of communications media in civic life.
Meets Graduation Requirement: American Democracy
Meets UC/CSU “a-g” subject area: g

Economics  ECON150-550
Economics is a one-semester course in which students learn economic reasoning and how to apply it to their daily lives. Students understand the role of the market in the contemporary world economy, the role of government in the economy, the role of labor in the economy, the nature of aggregate economic behavior, how to interpret economic indicators, and the impacts of globalization both within the United States and around the world. Students explore the role of economics with regard to social issues (such as income distribution, poverty, and the environment) and issues of the global economy (such as international trade and the globalization of corporate ownership).
Meets Graduation Requirement: Economics
Meets UC/CSU “a-g” subject area: g

Economics Geography  ECGE150
Economics is a one-semester course in which students learn economic reasoning and how to apply it to their daily lives. Students understand the role of the market in the contemporary world economy, the role of government in the economy, the role of labor in the economy, the nature of aggregate economic behavior, how to interpret economic indicators, and the impacts of globalization both within the United States and around the world. Students explore the role of economics with regard to social issues (such as income distribution, poverty, and the environment) and issues of the global economy (such as international trade and the globalization of corporate ownership).
Meets Graduation Requirement: Elective
Meets UC/CSU “a-g” subject area: g

Economics Honors  ECON250
Economics is a one-semester course in which students learn economic reasoning and how to apply it to their daily lives. Students understand the role of the market in the contemporary world economy, the role of government in the economy, the role of labor in the economy, the nature of aggregate economic behavior, how to interpret economic indicators, and the impacts of globalization both within the United States and around the world. Students explore the role of economics with regard to social issues (such as income distribution, poverty, and the environment) and issues of the global economy (such as international trade and the globalization of corporate ownership). Honors courses differentiate the core curriculum within the specific content area by using a variety of methods that provide additional challenge and opportunities for students to perform to their highest potential. Honors students will meet the academic standards while learning to think in deeper and more complex ways.
Meets Graduation Requirement: Economics
Meets UC/CSU “a-g” subject area: g

Economics/International Business  ECIN150
Economics is a one-semester course in which students learn economic reasoning and how to apply it to their daily lives. Students understand the role of the market in the contemporary world economy, the role of government in the economy, the role of labor in the economy, the nature of aggregate economic behavior, how to interpret economic indicators, and the impacts of globalization both within the United States and around the world. Students explore the role of economics with regard to social issues (such as income distribution, poverty, and the environment) and issues of the global economy (such as international trade and the globalization of corporate ownership).
Meets Graduation Requirement: Economics
Meets UC/CSU “a-g” subject area: g

Ethnic Studies  ETHN150
The Ethnic Studies course teaches students to explore their individual identity, their family history, and their community history through the lenses of race, ethnicity, nationality and culture. Students study the history of people of color in California from the early 19th century to the present, with a focus on the social movements that have successfully resisted and overcome oppressive political, economic, and social conditions. Students design and implement learning service projects based on
their investigations of their local communities.

**Ethnic Studies Honors  ETHN250**
The Ethnic Studies course teaches students to explore their individual identity, their family history, and their community history through the lenses of race, ethnicity, nationality and culture. Students study the history of people of color in California from the early 19th century to the present, with a focus on the social movements that have successfully resisted and overcome oppressive political, economic, and social conditions. Students design and implement learning service projects based on their investigations of their local communities.

**Meets Graduation Requirement:** Elective
**Meets UC/CSU “a-g” subject area:** g

**Geography  GEOG150-550**
The development of a geographically informed student who sees meaning in the arrangement of things in space and applies a spatial perspective to life situations. A geographically informed student knows and understands places and regions, physical systems, human systems, and the interactions of the environment and society.

**Meets Graduation Requirement:** Elective
**Meets UC/CSU “a-g” subject area:** a, g

**History of Economic Thought  HECN150**
This course provides a survey of the development of economic theories. Particular emphasis is placed on developing an understanding of the relationships among economic thought, contemporary philosophy, and economic conditions.

**Meets Graduation Requirement:** Elective
**Meets UC/CSU “a-g” subject area:** g

**History US  USHI650**
A review of the history of the United States from the 17th to 19th centuries and a thorough study of the political, economic, and social history of the nation in the 20th century. Themes include economic expansion, movements for social change and reactions against such movements, and foreign relations. This course is designed for students working toward the certificate of completion.

**Meets Graduation Requirement:** US History
**Meets UC/CSU “a-g” subject area:** n/a

**History World  WHST650**
World History is an examination of the ideas and events that have shaped the modern world since the 18th century. This course is designed for students working toward the certificate of completion.

**Meets Graduation Requirement:** World History
**Meets UC/CSU “a-g” subject area:** n/a

**Humanities 1  HUMN151**
The history of art, philosophy, architecture, music, and literature in Europe and the United States from the Renaissance to the present. This is a one semester course that explores a particular topic through art, literature, and history sources. The topic is usually defined by a particular historical period, a particular region in the world, and/or a particular culture.

**Meets Graduation Requirement:** Elective
**Meets UC/CSU “a-g” subject area:** g

**Humanities 2  HUMN152**
This course introduces students to the history of ideas. It explores the emergence of the individual in different societies and the role of culture in the development of the multicultural world in which we live. Through the arts, philosophy, architecture, music, science, literature, language and history, students develop critical international perspectives on history and culture.

**Meets Graduation Requirement:** Elective
**Meets UC/CSU “a-g” subject area:** g

**Ideologies  IDEO151**
Liberalism, conservatism, socialism, anarchism, fascism, feminism, and environmentalism are ideologies which have inspired political movements. Understanding their meaning is an essential aspect of the study of contemporary politics. In this course, we examine the basic principles of these ideologies and assess their power to mobilize people for political action. In the process, we also explore the role of ideology in America today, including the responsibility of democratic citizens to understand how ideology shapes their politics.

**Meets Graduation Requirement:** Elective
**Meets UC/CSU “a-g” subject area:** n/a

**International Relations  INTR150**
An introduction to international issues, this course
focuses on such topics as law and conflict resolution, human rights, immigration, ecology, hunger, world peace, energy, changing family roles, and an aging population.

**Meets Graduation Requirement:** Elective
**Meets UC/CSU “a-g” subject area:** g

**Issue in Urban Society  ISSU150**
Issues in Urban Society focuses on contemporary themes through the lens of sociology. While the subject matter is broad in its range, students will focus on very specific contemporary systems (structures) and cultural concepts in a series of different units. The goal of the class is to create an opportunity for an application of the social sciences rather than a mere study of them. Students are required to read, watch, and listen to different media in order to find reliable information to create an intellectual and well informed opinion about several contemporary topics. Students will explore and analyze new subject matters, and learn to respect others' opinions on those matters while developing their own.

**Meets Graduation Requirement:** Elective
**Meets UC/CSU “a-g” subject area:** g

**Latin American Studies  LASD150**
An introduction to Latin American studies. Topics include economic development, ethnic and racial identity, religion, revolution, democracy, transitional justice, and the rule of law. Examples draw on a range of countries in the region, especially Mexico, Chile, and Brazil.

**Meets Graduation Requirement:** Elective
**Meets UC/CSU “a-g” subject area:** n/a

**Latino Achievement  LATA150**
The Latino Achievement program provides academic and cultural support for Latino students.

**Meets Graduation Requirement:** Elective
**Meets UC/CSU “a-g” subject area:** n/a

**LGBTQ Studies  LGBT150**
Introduces students to Lesbian, Gay, Bisexual, and Transgender (LGBT) studies. Explores the impact of social, cultural, historical, and political factors on LGBT individuals and communities. Students will study the social construction of LGBT persons and cultures across time and place; theoretical debates regarding sexual orientation; identity formation; intersecting oppressions (e.g., LGBT people of color); gender roles and gender identity; homophobia; and HIV/AIDS. Also includes contemporary LGBT issues in families, education, religion, media, and the law.

**Meets Graduation Requirement:** Elective
**Meets UC/CSU “a-g” subject area:** n/a

**Multiculture  MCU150**
Students develop an appreciation of the interrelatedness of and the diversity within cultural traditions. The multicultural understanding requirement recognizes and reflects the full range of human groupings and cultural perspectives as well as the complex relationships among them. Its role is to enhance students' self-understanding and their understanding of the contemporary cultural context, a context characterized by a rich diversity of cultures and experiences in which the Western European intellectual tradition figures as one among many.

**Meets Graduation Requirement:** Elective
**Meets UC/CSU “a-g” subject area:** n/a

**Newcomer  NEWC150**
Newcomer courses provide specialized academic environments that serve newly arrived, immigrant English language learners for a limited period of time. The programs help students acquire beginning English skills, provide some instruction in core content areas, guide students' acculturation to the school system in the United States and develop or strengthen students' native language and literacy skills.

**Meets Graduation Requirement:** Elective
**Meets UC/CSU “a-g” subject area:** n/a

**Peer Helping 1 PEER150**
Students in this course will gain the following skills: team work, communication, assertiveness, decision-making, leadership, facilitation, presentation and planning. Students will also have the opportunity to choose to participate in a variety of programs such as conflict mediation, peer tutoring, peer mentoring, and peer education. Depending on their choice of program, students will gain specialized skills such as tutoring and mediation skills.

**Meets Graduation Requirement:** Elective
**Meets UC/CSU “a-g” subject area:** n/a

**Peer Helping 2 PEER151**
Students in this course will gain the following skills: team work, communication, assertiveness, decision-making, leadership, facilitation, presentation and planning. Students will also have the opportunity to choose to participate in a variety of programs such as conflict mediation, peer tutoring, peer mentoring, and peer education. Depending on their choice of
program, students will gain specialized skills such as tutoring and mediation skills.

Meets Graduation Requirement: Elective
Meets UC/CSU “a-g” subject area: n/a

Peoples Of US PPLU150
Peoples of the United States includes the study of ethnicity, class, gender, sexuality, justice, historical social movements and the social construction of race. This course aims to educate students to be politically, socially, and economically conscious about their personal connections to local and global histories. In order to cultivate respect and empathy for individuals and solidarity with groups of people locally, nationally and globally, students learn about the groups of individuals who have typically been left out of history textbooks. This course aims to inspire students to critically engage in self-determination, self-reflection and to seek social justice.

Meets Graduation Requirement: Elective
Meets UC/CSU “a-g” subject area: n/a

Poly Economics ECON650
Economics is a one-semester course in which students learn economic reasoning and how to apply it to their daily lives. Students understand the role of the market in the contemporary world economy, the role of government in the economy. Students explore the role of economics with regard to social issues (such as income distribution, poverty, and the environment) and issues of the global economy (such as international trade and the globalization of corporate ownership). This course is designed for students working toward the certificate of completion.

Meets Graduation Requirement: Economics
Meets UC/CSU “a-g” subject area: n/a

Psychology PSYC150
An introduction to the major concepts, thinkers, and methods of science-based psychology.

Meets Graduation Requirement: Elective
Meets UC/CSU “a-g” subject area: n/a

SF Perspective SFPR150
Students learn the history and culture of San Francisco through film, literature and field trips.

Meets Graduation Requirement: Elective
Meets UC/CSU “a-g” subject area: n/a

Social Justice 1 JUST151
In this course, students will learn to identify causes and issues of injustice in the world, learn about four types of injustice that commonly victimize the poor in the developing world (slavery, sex trafficking, illegal detention, and illegal land seizure) through facts, statistics, and personal casework stories, demonstrate personal understanding of issues of injustice through various reading, writing and speaking activities and display knowledge of issues of injustice, and what can be done to respond to and prevent them.

Meets Graduation Requirement: Elective
Meets UC/CSU “a-g” subject area: n/a

Social Justice 2 JUST152
In this course, students will learn to identify causes and issues of injustice in the world, learn about four types of injustice that commonly victimize the poor in the developing world (slavery, sex trafficking, illegal detention, and illegal land seizure) through facts, statistics, and personal casework stories, demonstrate personal understanding of issues of injustice through various reading, writing and speaking activities and display knowledge of issues of injustice, and what can be done to respond to and prevent them.

Meets Graduation Requirement: Elective
Meets UC/CSU “a-g” subject area: n/a

Social Studies Lab SSLB150
This course will be inactivated Summer 2014.

Meets Graduation Requirement: Elective
Meets UC/CSU “a-g” subject area: n/a

Sociology SOCI150
In Sociology students learn how people behave in groups and how group interactions shape both individual and group behaviors. Students analyze the rules, organizations, and values systems that enable people to live together.

Meets Graduation Requirement: Elective
Meets UC/CSU “a-g” subject area: g

US History USHI150-550
A review of the history of the United States from the 17th to 19th centuries and a thorough study of the political, economic, and social history of the nation in the 20th century. Themes include economic expansion, movements for social change and reactions against such movements, and foreign relations.

Meets Graduation Requirement: US History
Meets UC/CSU “a-g” subject area: a, g
US History Honors USHI250
Cover the same content as the regular United States History courses but in greater depth and complexity. The skill components of the courses are accelerated and students are encouraged to develop novelty in curriculum projects.
Meets Graduation Requirement: US History
Meets UC/CSU “a-g” subject area: a, g

Western Civilization WCIV150
Western Civilization introduces the student to some of the leading figures, ideas, and events of the Ancient Near East and pre-modern Europe. It also exposes students to the concerns and methods of historical inquiry through lectures, analysis and discussion of selected texts, and writing of short papers. The goal of this course is for the student not only to acquire historical information but also to learn through example (lectures, textbook) and practice (discussions, essay examinations, papers) a historical/critical method of thought and expression.

Meets Graduation Requirement: Elective
Meets UC/CSU “a-g” subject area: n/a

Western Civilization Honors WCIV250
Western Civilization introduces the student to some of the leading figures, ideas, and events of the Ancient Near East and pre-modern Europe. It also exposes students to the concerns and methods of historical inquiry through lectures, analysis and discussion of selected texts, and writing of short papers. The goal of this course is for the student not only to acquire historical information but also to learn through example (lectures, textbook) and practice (discussions, essay examinations, papers) a historical/critical method of thought and expression. This is an honors course and covers more breadth and depth.

Meets Graduation Requirement: Elective
Meets UC/CSU “a-g” subject area: n/a

World Geography GEOG660
The development of a geographically informed student who sees meaning in the arrangement of things in space and applies a spatial perspective to life situations. A geographically informed student knows and understands places and regions, physical systems, human systems, and the interactions of the environment and society. This course is designed for students working toward the certificate of completion.

Meets Graduation Requirement: Elective
Meets UC/CSU “a-g” subject area: g

World History WHST150-550
World History is an examination of the ideas and events that have shaped the modern world since the 18th century. Students begin by studying the political ideas of the Enlightenment and both the positive and negative effects of the economic transformation brought about by the Industrial Revolution. They then study imperialism during the 19th and early 20th centuries, World War I, World War II, and the Cold War to understand the historical, geographical, political, economic, and social context of current issues in Europe, North America, South America, Africa, and Asia.

Meets Graduation Requirement: World History
Meets UC/CSU “a-g” subject area: a, g

World History Honors WHST250
World History is an examination of the ideas and events that have shaped the modern world since the 18th century. Students begin by studying the political ideas of the Enlightenment and both the positive and negative effects of the economic transformation brought about by the Industrial Revolution. They then study imperialism during the 19th and early 20th centuries, World War I, World War II, and the Cold War to understand the historical, geographical, political, economic, and social context of current issues in Europe, North America, South America, Africa, and Asia.

Meets Graduation Requirement: World History
Meets UC/CSU “a-g” subject area: a, g

World Perspective WRPRI50
Issues that impact the human race at a global level are explored. Topics may include global warming, food production, water supply, borders, energy, economics or terrorism. Emphasis is placed on critical analysis in both oral presentation and written assignments.

Meets Graduation Requirement: Elective
Meets UC/CSU “a-g” subject area: n/a

World Religion 1 WREL151
A historical survey of the development of major world religions as well as local and regional religious traditions and syncretic religions that combine elements of various religions.

Meets Graduation Requirement: Elective
Meets UC/CSU “a-g” subject area: n/a

World Religion 2 WREL152
A historical survey of the development of major world religions as well as local and regional religious traditions and syncretic religions that combine elements of various religions.
traditions and syncretic religions that combine elements of various religions.

**Meets Graduation Requirement:** Elective  
**Meets UC/CSU “a-g” subject area:** n/a

**English**

**10th Grade English for Publication**  
EPUB150A  
The course emphasized a journalistic approach to the literature studied in Ethnic Experience in Literature 2. Students use the literature as source material to explore and develop skills in new writing, news gathering and news editing. Tailored especially for students interested in preparing themselves to participate on the staff of the school newspaper, the course satisfies the requirements for both Ethnic Experience in Literature and Journalism 1.  
**Meets Graduation Requirement:** English  
**Meets UC/CSU “a-g” subject area:** g

**Academic Literacy**  
ALIT100  
Students engage in inquiry into the nature of reading. Some of the questions that they explore are: What is reading? What is the role of reading in personal and public life? What are the characteristics of successful readers and what strategies do they use to make sense of complex text? Students assemble a reading portfolio which includes an individual reading plan, their personal reading profiles, reflections on their reading process, records of the number and variety of texts read and evidence of growth in the use of a variety of reading comprehension strategies. Students use sustained silent reading (SSR) time to increase fluency and keep a reading process log to become more aware of their reading strengths and weaknesses. They are taught cognitive strategies to approach texts with an emphasis on reciprocal teaching, think-aloud, reading-to-learn and writing-to-learn strategies and text modeling. Language skills, vocabulary, critical thinking about texts and research skills are taught and practiced throughout the course. The writing component of the course consists of SSR logs that include written reflections on the reading process, reading interviews of self and others, book reviews, research papers, written reciprocal teaching practices and unit logs that contain written assignments connected to each unit. Emphasis in the ninth grade is placed on Autobiographical Incident, Evaluation and Observational writing. This course is to be offered concurrently with the college preparatory course for ninth grade English.

**Meets Graduation Requirement:** Elective  
**Meets UC/CSU “a-g” subject area:** n/a

**Advanced Composition**  
ACMP150  
In Advanced Composition students learn the techniques of developing and writing a variety of effective essays using the writing process. Students write in response to the arguments of others, addressing assumptions, conclusions, reasons, and evidence. They write persuasive essays which state debatable thesis, make concessions to the opposition, advance strong evidence, and use appropriate rhetorical modes. Students find a topic appropriate for analysis; divide the topic into parts; explore; make a judgment, apply clear criteria which is either stated or implied; and then support this judgment with evidence from literature or other sources. Students write essays in which they control purpose and tone through careful word choice. In choosing, they consider the effects of connotations, figures of speech, cliches, euphemisms, allusions and jargon.  
**Meets Graduation Requirement:** Elective  
**Meets UC/CSU “a-g” subject area:** n/a

**American Literature**  
AMLT100  
Students focus on the diverse American experience presented in literature. The course includes representative works from early America to the present that reflect important themes in American culture. The works read are taken from all genres with emphasis on student interpretation of the novel and the essay. Students use the writing process as they produce a variety of essays structured around a clearly presented, soundly supported thesis. Attention to grammar will be given as students follow the writing process. Emphasis is placed on Speculation about Causes and Effects and Reflective Essay writing. Class discussions, small group work and oral presentations are part of the course work.  
**Meets Graduation Requirement:** English  
**Meets UC/CSU “a-g” subject area:** b, g

**American Literature Honors**  
AMLT250  
This course follows the curriculum for American Literature in greater depth, complexity, novelty and acceleration. Students focus on the diverse American experience presented in literature. The course includes representative works from early America to the present that reflect important themes in American culture. The works read are taken from all genres with emphasis on student interpretation of the novel and the essay. Honors
students are also expected to read a minimum of four out-of-class books from an approved list complementing the course. Critical and analytical responses to the content of literature is the basis for discussion and written work. Students use the writing process as they produce a variety of essays structured around a clearly presented, soundly supported thesis. Attention to grammar is given as students follow the writing process. Emphasis is placed on Speculation about Causes and Effects and Reflective Essay writing. Class discussions, small group work and oral presentations are part of the course work. Honors courses differentiate the core curriculum within the specific content area by using a variety of methods that provide additional challenge and opportunities for students to perform to their highest potential. Honors students will meet the academic standards while learning to think in deeper and more complex ways. Students read poems, novels, short stories and plays by American authors who span the history of American Literature. The course emphasizes critical thinking. Students write persuasive essays which refute stereotypes, write and give comic speeches which use classic rhetorical format and devices such as imagery, metaphor and rhetorical questions. They read literature which describes the search by Americans for meaning in their lives and their brave insistence on freedom of thought. Honors courses differentiate the core curriculum within the specific content area by using a variety of methods that provide additional challenge and opportunities for students to perform to their highest potential. Honors students will meet academic standards while learning to think in deeper and more complex ways.

**Meets Graduation Requirement:** English
**Meets UC/CSU “a-g” subject area:** b, g

**AP English Language and Composition 72A**
**ELAC302A**
The Knight in Not-So-Shining Armor/The Journey Through Hell. This course employs a thematic analysis of classical literature as the main vehicle to study rhetoric. In the first semester, students will examine knighthood as a metaphor for standards of nobility and examine the often paradoxical relationship between the inevitability of error and the need for an ideal of perfection. The second semester will focus on sources of human suffering, the quest for justice and the locus of evil. Students will be trained to heighten their critical thinking, reading skills, analysis of language, writing and ability to produce cogent arguments. Required summer reading: The Song of Roland (Burgess translation) and Cormack McCarthy's The Road. Major works for the school year include Beowulf (Heaney translation), Geoffrey Chaucer's The Canterbury Tales (Hieatt translation), William Shakespeare's Othello and Macbeth, Dante Alighieri's The Inferno (Ciardi translation), Christopher Marlowe's Doctor Faustus and Joseph Conrad's Heart of Darkness. Minor works (essays, short stories, poetry) will supplement major works.

**Meets Graduation Requirement:** English
**Meets UC/CSU “a-g” subject area:** b, g

**AP English Language and Composition 73A**
**ELAC303A**
Twentieth-Century American Writers/Literature and Philosophy. The fall section of the course focuses on works that explores race and identity in a modern multicultural American context that offers seemingly limitless possibilities for self-definition and, paradoxically, can often narrow perceptions of an individual based on preconceived notions and stereotypes. To help students prepare for the AP test, the course focuses on how the authors use rhetorical strategies to convey such ideas and includes specific practice in writing rhetorical analyses of fiction and non-fiction. Texts (including summer reading) will include some or all of the following: Richard Wright's Black Boy, Chang-Rae Lee's Native Speaker, Junot Diaz's The Brief Wondrous Life of Oscar Wao, Toni Morrison's Song of Solomon, and William Faulkner's The Sound and the Fury. The spring section of the course examines fiction, drama, and poetry in the light of questions that are of concern to philosophers, including
metaphysics, ontology, ethics, mortality, religious faith, and existentialism. As students encounter ideas addressed by Plato, Rene Descartes, John Locke, Friedrich Nietzsche, Jean-Paul Sartre, Guy Debord, and other thinkers, they attempt to discover how these and other ideas come into play in literary works by such writers as Walt Whitman, Henry James, Franz Kafka, Jorge Luis Borges, Julio Cortazar, Albert Camus, Richard Wilbur, and Vladimir Nabokov. In the spring students will continue to pay attention to authors' rhetorical strategies but will also consider strategies for argumentative writing and will practice writing argumentative essays. Throughout the year, the teacher will include short essays and excerpts from longer non-fictional works that link thematically to the literary texts and serve to further skill development. Students will work on a range of assignments from formal essays to creative projects to oral presentations.

**Meets Graduation Requirement:** English
**Meets UC/CSU “a-g” subject area:** b, g

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**AP English Language and Composition 74A**  
**ELAC304A**  
The Knight in Not-So-Shining Armor/The Journey Through Hell. This course employs a thematic analysis of classical literature as the main vehicle to study rhetoric. In the first semester, students will examine knighthood as a metaphor for standards of nobility and examine the often paradoxical relationship between the inevitability of error and the need for an ideal of perfection. The second semester will focus on sources of human suffering, the quest for justice and the locus of evil. Students will be trained to heighten their critical thinking, reading skills, analysis of language, writing and ability to produce cogent arguments. Required summer reading: The Song of Roland (Burgess translation) and Cormack McCarthy’s The Road. Major works for the school year include Beowulf (Heaney translation), Geoffrey Chaucer’s The Canterbury Tales (Hieatt translation), William Shakespeare’s Othello and Macbeth, Dante Alighieri’s The Inferno (Ciardi translation), Christopher Marlowe’s Doctor Faustus and Joseph Conrad’s Heart of Darkness. Minor works (essays, short stories, poetry) will supplement major works.

**Meets Graduation Requirement:** English  
**Meets UC/CSU “a-g” subject area:** b, g

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**AP English Language and Composition 75A**  
**ELAC305A**  
Twentieth-Century American Writers/Literature and Philosophy. The fall section of the course focuses on works that explores race and identity in a modern multicultural American context that offers seemingly limitless possibilities for self-definition and, paradoxically, can often narrow perceptions of an individual based on preconceived notions and stereotypes. To help students prepare for the AP test, the course focuses on how the authors use rhetorical strategies to convey such ideas and includes specific practice in writing rhetorical analyses of fiction and non-fiction. Texts (including summer reading) will include some or all of the following: Richard Wright’s Black Boy, Chang-Rae Lee’s Native Speaker, Junot Diaz’s The Brief Wondrous Life of Oscar Wao, Toni Morrison’s Song of Solomon, and William Faulkner’s The Sound and the Fury. The spring section of the course examines fiction, drama, and poetry in the light of questions that are of concern to philosophers, including metaphysics, ontology, ethics, mortality, religious faith, and existentialism. As students encounter ideas addressed by Plato, Rene Descartes, John Locke, Friedrich Nietzsche, Jean-Paul Sartre, Guy Debord, and other thinkers, they attempt to discover how these and other ideas come into play in literary works by such writers as Walt Whitman, Henry James, Franz Kafka, Jorge Luis Borges, Julio Cortazar, Albert Camus, Richard Wilbur, and Vladimir Nabokov. In the spring students will continue to pay attention to authors’ rhetorical strategies but will also consider strategies for argumentative writing and will practice writing argumentative essays. Throughout the year, the teacher will include short essays and excerpts from longer non-fictional works that link thematically to the literary texts and serve to further skill development. Students will work on a range of assignments from formal essays to creative projects to oral presentations.

**Meets Graduation Requirement:** English  
**Meets UC/CSU “a-g” subject area:** b, g

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**AP English Language and Composition 77/75**  
**SUPE000A**  
This course develops students’ awareness of language and will sharpen their skills in effective writing and critical reading. Students study major essays and other non-fiction works from a variety of historical periods. Students closely read and write expository and persuasive essays. (They also read novels, short stories and poetry, paying close attention to style and syntax as well as form and content.) In their own writing, which is a major part of the course, students experiment with a variety of
writing styles and forms to create a writing portfolio that reflects their own interests and their own writing voice. This course prepares students for the Advanced Placement Examination.

Meets Graduation Requirement: English
Meets UC/CSU “a-g” subject area: b, g

AP English Language and Composition 77A
ELAC307A
Twenty-first Century American Writers/The Heroine in Literature. The fall portion of the course focuses thematically on literature that explores race and identity in a modern multicultural American context that offers seemingly limitless possibilities for self-definition and, paradoxically, can often narrow perceptions of an individual based on preconceived notions and stereotypes. The course also focuses on how the authors use rhetorical strategies and modern narrative styles to convey such ideas. Texts (including summer reading): Ralph Ellison's Invisible Man, Chang-Rae Lee's Native Speaker, Junot Diaz's The Brief Wondrous Life of Oscar Wao, Toni Morrison's Song of Solomon and William Faulkner's The Sound and the Fury. The spring portion of the course steps back to the nineteenth century in order to expose students to a range of writing styles that will help prepare them for the AP test and focuses on literature that explores the struggles of women to define themselves and their destinies in patriarchal societies. The previous semester's focus on rhetoric and style will continue. Texts: Emily Bronte's Wuthering Heights, Jane Austen's Pride and Prejudice and Gustave Flaubert's Madame Bovary. Throughout the year, the teacher will include supplemental texts (essays, poems, etc.) that link thematically to the main texts and serve to further skill development. Students will work on a range of assignments, from formal essays to creative projects to oral presentations.

Meets Graduation Requirement: English
Meets UC/CSU “a-g” subject area: b, g

AP English Literature and Composition 80A
ELIC308A
Heroes, Comic and Tragic/Masterworks of Literature in English. This course explores a variety of heroic types, ranging from Aristotle's classical models to contemporary figures who challenge the notions of what a hero should be and blur the boundaries between comic and tragic. We’ll examine the attributes, roles, and expectations of a hero in different eras and places and consider how these figures relate to those of us who usually live far more ordinary lives. Common texts for the course include Oedipus Rex, A Prayer for Owen Meany, Hamlet, and Candide.

Meets Graduation Requirement: English
Meets UC/CSU “a-g” subject area: b, g

AP English Literature and Composition 83A
ELIC303A
The Individual and the Universe. This course features college-seminar-style discussions that demand active participation and collaborative projects that require each student to take an active role. The course stresses a strong understanding of genre, theme, and style in the works that are encountered. Each semester focuses on a specific theme that flows through the different literary works, providing the foundation for many of the course's writing assignments. Each semester focuses on a specific theme that flows through the different literary works, providing the foundation for many of the course's writing assignments. The course emphasizes analysis of literary works, including discussions of artistry and quality. All formal writing is held to high standards of correctness. Writing is required often, and your writing is critiqued on a regular basis. Summer reading: Middlemarch by George Eliot and The Crying of Lot 49 by Thomas Pynchon. In the fall semester you will study Hamlet by William Shakespeare, The Stranger by Albert Camus, The Sun Also Rises by Ernest Hemingway, The Book of Job and select readings from Ecclesiastes. Poetry will also be covered in a two-three week poetry unit.

Meets Graduation Requirement: English
Meets UC/CSU “a-g” subject area: b, g
AP English Literature and Composition 84A
ELIC304A
The Individual and the Universe. This course features college-seminar-style discussions that demand active participation and collaborative projects that require each student to take an active role. The course stresses a strong understanding of genre, theme, and style in the works that are encountered. Each semester focuses on a specific theme that flows through the different literary works, providing the foundation for many of the course’s writing assignments. Each semester focuses on a specific theme that flows through the different literary works, providing the foundation for many of the course’s writing assignments. The course emphasizes analysis of literary works, including discussions of artistry and quality. All formal writing is held to high standards of correctness. Writing is required often, and your writing is critiqued on a regular basis. Summer reading: Middlemarch by George Eliot and The Crying of Lot 49 by Thomas Pynchon. In the fall semester you will study Hamlet by William Shakespeare, The Stranger by Albert Camus, The Sun Also Rises by Ernest Hemingway, The Book of Job and select readings from Ecclesiastes. Poetry will also be covered in a two-three week poetry unit.
Meets Graduation Requirement: English
Meets UC/CSU “a-g” subject area: b, g

AP English Literature and Composition 86A
ELIC306A
Heroes, Comic and Tragic/Masterworks of Literature in English. This course is focused on acclaimed literature written in English, analyzing the themes and techniques of writers such as Wharton, Austen, Wilde, Charlotte Bronte, and Eliot. Poetry will play a prominent role.
Meets Graduation Requirement: English
Meets UC/CSU “a-g” subject area: b, g

CAHSEE Language Arts CHSL150-550
This class provides support to students who have not yet passed the CAHSEE Language Arts exam.
Meets Graduation Requirement: Elective
Meets UC/CSU “a-g” subject area: n/a

Comedy & Satire COMD100
This course is a comprehensive survey of comic and satiric material from its origins in classical drama to modern expressions in novels, poems, and plays. Course material is drawn from all periods and all cultures. Students examine definitions of comedy and satire, study theories of comedy, and read representative literature. In addition to literary examples of comedy and satire, frequent reference is made to cinematic comedy and to other graphic modes of humor. Critical skills and standards are applied to this material. Students analyze these works by writing essays following the writing process. Class and small group discussions are a part of the course.
Meets Graduation Requirement: English
Meets UC/CSU “a-g” subject area: b, g

Composition CMPS100
Students develop writing skills using various techniques including comparison, persuasive or reflective essays. Emphasis is placed on using a traditional writing model including topic, thesis statement, argument, evidence and conclusion.
Meets Graduation Requirement: English
Meets UC/CSU “a-g” subject area: b, g

Composition - Advanced CMPA400
In Advanced Composition students learn the techniques of developing and writing a variety of effective essays using the writing process. Students write in response to the arguments of others, addressing assumptions, conclusions, reasons, and evidence. They write persuasive essays which state debatable thesis, make concessions to the opposition, advance strong evidence, and use appropriate rhetorical modes. Students find a topic appropriate for analysis; divide the topic into parts; explore; make a judgment, apply clear criteria which is either stated or implied; and then support this judgment with evidence from literature or other sources. Students write essays in which they control purpose and tone through careful word choice. In choosing, they consider the effects of connotations, figures of speech, cliches, euphemisms, allusions and jargon.
Meets Graduation Requirement: English
Meets UC/CSU “a-g” subject area: b, g

Creative Writing CRWR100
Creative Writing is designed to teach writing skills incrementally, using professional models of syntax, exposition, and fiction. Students begin writing short descriptive essays which are critiqued orally in the format of a writing workshop. As the semester progresses, students write longer pieces, dialogue, interior monologue, interviews and narratives. Much of the writing is autobiographical. Students also create a final project, working independently or
collectively to produce a play, short story, children's book, video, magazine or other writing-based project which represents four to five weeks of work.

**Meets Graduation Requirement:** English
**Meets UC/CSU “a-g” subject area:** g

**Creative Writing Advanced** CRWA400

Students write on a daily basis in and out of class. Teacher facilitates student discussions on basic literary elements, such as symbolism, figurative language and other tropes. Students write, read, and critique each other's work. Teacher assumes role of facilitator, remaining sensitive to students' individual creative capacities.

**Meets Graduation Requirement:** English
**Meets UC/CSU “a-g” subject area:** g

**CSU Expository Writing** CXWR150

A task force of high school and CSU faculty has developed the Expository Reading and Writing Course (ERWC), a full-year college preparatory English course for high school juniors or seniors. The ERWC aligns with the California English-Language Arts Content Standards, addresses critical reading and writing problems identified by the CSU English Placement Test Committee, and prepares students to meet the expectations of college and university faculty. Course assignments, organized into 14 modules and based mainly on non-fiction texts, emphasize the in-depth study of expository, analytical, and argumentative reading and writing.

**Meets Graduation Requirement:** English
**Meets UC/CSU “a-g” subject area:** b, g

**Current Literature** CURL100

Students read, discuss, and analyze a variety of short stories and novels, exploring the techniques of fiction and learning the language and process of literary criticism for use in oral and written responses. Through exposure to a wide range of human expression, students will learn to compare/contrast the attitudes and values of current, popular literature.

**Meets Graduation Requirement:** English
**Meets UC/CSU “a-g” subject area:** n/a

**Debate** DBAT150

Speech and Debate aims to develop students' skills and confidence in the areas of public speaking, research, debate, and creative performance through exposure to the competitive events of California Speech and Debate. The course will cover both logic and argumentation as well as the fundamentals of effective public speaking: preparation, pace, tone, facial and vocal expressiveness, and anxiety management. Students in this class will be prepared for successful competition in local, statewide, and even national competition. Though students in the class may choose not to compete, they will still participate in in-class debates, performances, and other activities.

**Meets Graduation Requirement:** Elective
**Meets UC/CSU “a-g” subject area:** g

**ELD Advanced LS** ELDS103

This course increases the English listening, speaking, reading and writing skills of the second language learners. They are able to comprehend and interpret not only the language of their teacher, neighbors, and peers, but also variants of English spoken by others in the community with whom they come in contact. Students demonstrate their understanding of idiomatic expressions and colloquialisms in different registers and in new and unfamiliar settings. The lexical items taught are determined by the vocabulary needs of native English speaking students of the same age and the vocabulary demands of the texts used. Students read across genres and identify the features of text: theme, plot, characters, genre etc. Students read at a level that will enable them to participate effectively in all subject areas of the school's instructional program. Students learn to write well-organized paragraphs using appropriate conventions of print.

**Meets Graduation Requirement:** English
**Meets UC/CSU “a-g” subject area:** b, g

**ELD Advanced RW** ELDR103

This course increases the English listening, speaking, reading and writing skills of the second language learners. They are able to comprehend and interpret not only the language of their teacher, neighbors, and peers, but also variants of English spoken by others in the community with whom they come in contact. Students demonstrate their understanding of idiomatic expressions and colloquialisms in different registers and in new and unfamiliar settings. The lexical items taught are determined by the vocabulary needs of native English speaking students of the same age and the vocabulary demands of the texts used. Students read across genres and identify the features of text: theme, plot, characters, genre etc. Students read at a level that will enable them to participate effectively in all subject areas of the school's instructional program. Students learn to write well-organized paragraphs using appropriate conventions of print.
using appropriate conventions of print.

**Meets Graduation Requirement:** English

**Meets UC/CSU “a-g” subject area:** b, g

**ELD Advanced S**  **ELDS104**
This course increases the English listening, speaking, reading and writing skills of the second language learners. They are able to comprehend and interpret not only the language of their teacher, neighbors, and peers, but also variants of English spoken by others in the community with whom they come in contact. Students demonstrate their understanding of idiomatic expressions and colloquialisms in different registers and in new and unfamiliar settings. The lexical items taught are determined by the vocabulary needs of native English speaking students of the same age and the vocabulary demands of the texts used. Students read across genres and identify the features of text: theme, plot, characters, genre etc. Students read at a level that will enable them to participate effectively in all subject areas of the school’s instructional program. Students learn to write well-organized paragraphs using appropriate conventions of print.

**Meets Graduation Requirement:** English

**Meets UC/CSU “a-g” subject area:** b, g

**ELD Advanced W**  **ELDR104**
This course increases the English listening, speaking, reading and writing skills of the second language learners. They are able to comprehend and interpret not only the language of their teacher, neighbors, and peers, but also variants of English spoken by others in the community with whom they come in contact. Students demonstrate their understanding of idiomatic expressions and colloquialisms in different registers and in new and unfamiliar settings. The lexical items taught are determined by the vocabulary needs of native English speaking students of the same age and the vocabulary demands of the texts used. Students read across genres and identify the features of text: theme, plot, characters, genre etc. Students read at a level that will enable them to participate effectively in all subject areas of the school’s instructional program. Students learn to write well-organized paragraphs using appropriate conventions of print.

**Meets Graduation Requirement:** English

**Meets UC/CSU “a-g” subject area:** b, g

**ELD Emerging LS**  **ELDS101**
This course increases the English listening, speaking, reading and writing skills of the second language learners. Initially, students show their understanding by gestures, pointing or drawing. Students learn vocabulary and sentence structures needed to function in most basic survival situations in the classroom and the neighborhood. Students ask and respond to direct questions on familiar subjects. Students develop beginning skills in comprehending, analyzing and evaluating oral communication. They will employ active listening and speaking in a variety of situations, formal and informal. At first, students read simple sentences, instructions and simple materials on subjects related to their immediate needs. Paragraphs, repetitive poems, compositions, letters, and narrative reading passages are subsequently introduced. Students learn to reproduce, in written form, the vocabulary and sentence structures they are learning orally. By the end of the beginning level, students write paragraphs based on oral language experiences.

**Meets Graduation Requirement:** Elective

**Meets UC/CSU “a-g” subject area:** n/a

**ELD Emerging RW**  **ELDR101**
This course increases the English listening, speaking, reading and writing skills of the second language learners. Initially, students show their understanding by gestures, pointing or drawing. Students learn vocabulary and sentence structures needed to function in most basic survival situations in the classroom and the neighborhood. Students ask and respond to direct questions on familiar subjects. Students develop beginning skills in comprehending, analyzing and evaluating oral communication. They will employ active listening and speaking in a variety of situations, formal and informal. At first, students read simple sentences, instructions and simple materials on subjects related to their immediate needs. Paragraphs, repetitive poems, compositions, letters, and narrative reading passages are subsequently introduced. Students learn to reproduce, in written form, the vocabulary and sentence structures they are learning orally. By the end of the beginning level, students write paragraphs based on oral language experiences.

**Meets Graduation Requirement:** Elective

**Meets UC/CSU “a-g” subject area:** n/a

**ELD Expanding LS**  **ELDS102**
This course increases the English listening, speaking, reading and writing skills of the second language learners. Attention is placed on developing the skills of interpretation and extended recall. Students learn to understand conversations on a variety of
everyday subjects and to ask clarification when needed. Control of basic grammar is evident but may be inconsistent. Reading and writing activities reinforce oral language experience, but are no longer limited to it. The reading of content area materials, newspaper articles and literature are introduced. Students are required to move from literal comprehension of reading passages to interpretive understanding. Students eventually develop critical and evaluative English reading skills and are able to apply their reading ability in a problem-solving manner. Attention is placed on mastering the mechanics of punctuation, understanding proper format, and organizing content. Students participate in revising and editing their own work.

**Meets Graduation Requirement:** Elective
**Meets UC/CSU “a-g” subject area:** n/a

**ELD Expanding RW  ELDR102**
This course increases the English listening, speaking, reading and writing skills of the second language learners. Attention is placed on developing the skills of interpretation and extended recall. Students learn to understand conversations on a variety of everyday subjects and to ask clarification when needed. Control of basic grammar is evident but may be inconsistent. Reading and writing activities reinforce oral language experience, but are no longer limited to it. The reading of content area materials, newspaper articles and literature are introduced. Students are required to move from literal comprehension of reading passages to interpretive understanding. Students eventually develop critical and evaluative English reading skills and are able to apply their reading ability in a problem-solving manner. Attention is placed on mastering the mechanics of punctuation, understanding proper format, and organizing content. Students participate in revising and editing their own work.

**Meets Graduation Requirement:** Elective
**Meets UC/CSU “a-g” subject area:** n/a

**ELD Literacy  ELDL100**
This English Language Development course focuses on academic language, complex vocabulary and powerful oral language development. It increases English listening, speaking, reading and writing skills of English Learners. This is accomplished through explicit literacy and oral language development, instruction in the academic uses of English and high quality writing. Students understand and use native-speaker cultural references. The course is designed to enable students to practice academic language they are learning in a structured and safe environment.

**Meets Graduation Requirement:** Elective
**Meets UC/CSU “a-g” subject area:** n/a

**ELD Literacy 1  ELDL101**
This English Language Development course focuses on academic language, complex vocabulary and powerful oral language development. It increases English listening, speaking, reading and writing skills of English Learners. This is accomplished through explicit literacy and oral language development, instruction in the academic uses of English and high quality writing. Students understand and use native-speaker cultural references. The course is designed to enable students to practice academic language they are learning in a structured and safe environment.

**Meets Graduation Requirement:** Elective
**Meets UC/CSU “a-g” subject area:** n/a

**ELD Literacy 2  ELDL102**
This English Language Development course focuses on academic language, complex vocabulary and powerful oral language development. It increases English listening, speaking, reading and writing skills of English Learners. This is accomplished through explicit literacy and oral language development, instruction in the academic uses of English and high quality writing. Students understand and use native-speaker cultural references. The course is designed to enable students to practice academic language they are learning in a structured and safe environment.

**Meets Graduation Requirement:** Elective
**Meets UC/CSU “a-g” subject area:** n/a

**ELD Literacy 3  ELDL103**
This English Language Development course focuses on academic language, complex vocabulary and powerful oral language development. It increases English listening, speaking, reading and writing skills of English Learners. This is accomplished through explicit literacy and oral language development, instruction in the academic uses of English and high quality writing. Students understand and use native-speaker cultural references. The course is designed to enable students to practice academic language they are learning in a structured and safe environment.
Eng/Euro Lit B: Gothic Lit EURO101B
Why do we scare ourselves? Why do we seek out movies and books that give us the creeps? This course explores the Gothic tradition of literature that thrills and chills, including Bram Stoker’s Dracula, Mary Shelley’s Frankenstein, Robert Louis Stevenson’s The Strange Case of Dr. Jekyll and Mr. Hyde and Matthew Lewis’s The Monk. How do these authors scare their readers and for what purpose? What do such shocking works reveal about the societies that produced them and about human nature itself?

Meets Graduation Requirement: English
Meets UC/CSU “a-g” subject area: b, g

English 1 ENGL101
English 1 focuses on autobiography, memoir, nonfiction texts, essays, poetry and drama. The course explores various themes in literature with close attention to themes of cultural diversity, social meaning and an analysis of how literature relates to the themes and issues of its historical period. Students focus on word analysis, fluency, systematic vocabulary development, reading comprehension, literary response and analysis, writing strategies, writing applications, conventions of writing and speaking. Students will study a major piece of literature, short story or nonfiction text.

Meets Graduation Requirement: English
Meets UC/CSU “a-g” subject area: b, g

English 1 Honors ENGL201
English 1 focuses on autobiography, memoir, nonfiction texts, essays, poetry and drama. The course explores various themes in literature with close attention to themes of cultural diversity, social meaning and an analysis of how literature relates to the themes and issues of its historical period. Students focus on word analysis, fluency, systematic vocabulary development, reading comprehension, literary response and analysis, writing strategies, writing applications, conventions of writing and speaking. Students will study a major piece of literature, short story or nonfiction text. Honors courses are taught at a faster pace and cover more breadth and depth. This course is ineligible for UC Certified Honors because it is a 9th grade curriculum.

Meets Graduation Requirement: English
Meets UC/CSU “a-g” subject area: b, g

English 9th Grade ENGL601
Students working toward the certificate of completion work on English fundamentals.

Meets Graduation Requirement: English
Meets UC/CSU “a-g” subject area: n/a

English 10th Grade ENGL602
Students continue to advance reading and writing skills in this course designed for students working toward the certificate of completion.

Meets Graduation Requirement: English
Meets UC/CSU “a-g” subject area: n/a

English 11th Grade ENGL653
Students continue to advance reading and writing skills in this course designed for students working toward the certificate of completion.

Meets Graduation Requirement: English
Meets UC/CSU “a-g” subject area: n/a

English 12th Grade ENGL604
Students continue the exploration of various themes in literature and compare universal themes. Students read novels, short stories, plays and poems which focus on issues related to race and ethnicity. Students will focus on developing skills related to reading, writing, vocabulary, speaking, listening, notetaking, literary analysis, questioning, metacognition, creative writing, communication and textual analysis. Students provide evidence to support the ideas expressed in each work and analyze the way in which a work of literature is related to the themes and issues of its historical period. Students will focus on word analysis, fluency, and systematic vocabulary development, reading comprehension, literary response and analysis, writing strategies, writing applications, written forms and conventions, and speaking applications.

Meets Graduation Requirement: English
Meets UC/CSU “a-g” subject area: b, g

English 2 ENGL102
Students continue to advance the certificate of completion work on English fundamentals.

Meets Graduation Requirement: English
Meets UC/CSU “a-g” subject area: n/a

English 2 B Honors ENGL202B
Students read novels, short stories, plays, and poems about such adolescent experiences as loss of innocence, initiation into adulthood, and selfdiscovery. These selections reflect the cultural
mosaic that constitutes America’s diverse population. Students consider the cultural context of a literary work and pay close attention to its language-diction and figurative expressions. Students continue the process of mastering the literary terms taught in 9th Grade English 1 and 2, and they learn some new ones as well, including terms such as irony, symbol-motif, foil, archetype, and foreshadowing. Students write papers based on their reading and their personal experiences. Students use the writing process as they produce a variety of essays structured around a clearly presented, soundly supported thesis. Emphasis in the tenth grade is placed on Controversial Issue, Report of Information and Interpretation writing.

**Meets Graduation Requirement:** English

**Meets UC/CSU “a-g” subject area:** b, g

English 2 Honors  ENGL202

Students read novels, short stories, plays, and poems about such adolescent experiences as loss of innocence, initiation into adulthood, and selfdiscovery. These selections reflect the cultural mosaic that constitutes America’s diverse population. Students consider the cultural context of a literary work and pay close attention to its language-diction and figurative expressions. Students continue the process of mastering the literary terms taught in 9th Grade English 1 and 2, and they learn some new ones as well, including terms such as irony, symbol-motif, foil, archetype, and foreshadowing. Students write papers based on their reading and their personal experiences. Students use the writing process as they produce a variety of essays structured around a clearly presented, soundly supported thesis. Emphasis in the tenth grade is placed on Controversial Issue, Report of Information and Interpretation writing. Honors courses are taught at a faster pace and cover more breadth and depth. This course is ineligible for UC Certified Honors because it is a 10th grade curriculum.

**Meets Graduation Requirement:** English

**Meets UC/CSU “a-g” subject area:** b, g

English 2A Honors  ENGL202A

Students write papers based on their reading and their personal experiences. Students use the writing process as they produce a variety of essays structured around a clearly presented, soundly supported thesis. Emphasis in the tenth grade is placed on Controversial Issue, Report of Information and Interpretation writing. Honors courses are taught at a faster pace and cover more breadth and depth. This course is ineligible for UC Certified Honors because it is a 10th grade curriculum.

**Meets Graduation Requirement:** English

**Meets UC/CSU “a-g” subject area:** b, g

English 71 Honors  ENGL205

71H is a rigorous honors "portal" course that prepares regular English students for the demands of our AP program. The students who move into Honors English during their junior year miss the introduction to expository writing that is a part of the first two years of the Honors Program. They also miss the expository writing course that is a requirement of the regular upper division program. This class provides instruction in expository writing and close, critical, analytical reading of both fiction and non-fiction works of American literature. The course is only open to sophomores with qualifying grades in their first three semesters--three A’s, two A’s and one B, or in some cases one A and two B’s. Students who earn a B or better in 71H will be invited to enroll in a junior AP course in the fall.

**Meets Graduation Requirement:** English

**Meets UC/CSU “a-g” subject area:** b, g

English 71H  ENGL206A

71H is a rigorous honors "portal" course that prepares regular English students for the demands of our AP program. The students who move into Honors English during their junior year miss the introduction to expository writing that is a part of the first two years of the Honors Program. They also miss the expository writing course that is a requirement of the regular upper division program. This class provides instruction in expository writing and close, critical, analytical reading of both fiction and non-fiction works of American literature. The course is only open to sophomores with qualifying grades in their first three semesters--three A’s, two
A’s and one B, or in some cases one A and two B’s. Students who earn a B or better in 71H will be invited to enroll in a junior AP course in the fall.

**Meets Graduation Requirement:** English  
**Meets UC/CSU “a-g” subject area:** b, g

### English Fundamentals (ENGF100)
English Fundamentals is a course designed specifically for the study and for the improvement of basic writing skills and techniques. English Fundamentals allows the student to master a variety of sentence constructions and paragraph types, culminating in the ability to create a multi-paragraph essay. The emphasis is on grammar, spelling, punctuation, sentence structure, writing and revising techniques, and proofreading and editing to produce clear, concise, and information-rich sentences and paragraphs.

**Meets Graduation Requirement:** Elective  
**Meets UC/CSU “a-g” subject area:** n/a

### English/European Literature (ENGL154)
English/European Literature examines world literature from a variety of authors and classical texts. Students learn to contrast major literary forms, techniques and characteristics of the major literary periods. They relate literary works and authors to the major themes and issues of their eras and evaluate the philosophical, political, religious, ethical, and social influences of the historical period that shaped the characters, plots, and, settings. Students analyze the way in which authors through the centuries have used archetypes drawn from myth and tradition in literature and other influences.

**Meets Graduation Requirement:** English  
**Meets UC/CSU “a-g” subject area:** b, g

### English/European Literature Honors (EURO200)
Students study the core curriculum of English, European, and World Literature in greater depth, complexity, novelty and acceleration. Works that expand the core literature being read in class are those likely to be encountered in a college class. Attention to the eight high school writing types (Autobiographical Incident, Evaluation, Observational, Controversial Issue, Report of Information, Interpretation, Speculation about Causes and Effects and Reflective Essay writing) is a component of the course. Students develop the reading and writing skills necessary to pass the Subject A exam. Class discussions, small group work and oral presentations are part of the course work.

**Meets Graduation Requirement:** English  
**Meets UC/CSU “a-g” subject area:** b, g

### Epic & Myth (EMYH100)
Students read literature reflecting mythological themes and allusions that permeate Western thought and literature. They learn that mythology represents man’s attempt to understand his place in the universe. They explore the hero or heroine in the epic as the embodiment of diverse cultural values and ideals and review the vocabulary and ideas of modern study such as psychology, anthropology and history.

**Meets Graduation Requirement:** English  
**Meets UC/CSU “a-g” subject area:** b, g

### Essay Writing (ESAY100)
Students use the writing process as they practice the eight types of writing: autobiographical incident, evaluation and observation, report of information, reflective, speculation about causes and effects, interpretation and controversial issue. The extended study and practice of the writing types prepares students for successful writing across the disciplines.

**Meets Graduation Requirement:** English  
**Meets UC/CSU “a-g” subject area:** n/a

### Expository Writing (EXWR100)
Description: Students write expository essays that develop a thesis statement using approaches and diction appropriate to particular audiences. Students write essays appropriate to particular audiences. In each essay students develop an expository thesis, as well as two or more sub-points in support of that thesis. Students use rhetorical modes such as comparison/ contrast, cause-effect, analogy, and classification in their writing. In their essays, students present different forms of evidence from personal experience and reading. Students learn to write appropriate introductions and conclusions. They use transitional devices to relate paragraphs. Students revise their sentences for improvement. They revise their essays to produce well written, coherent pieces.

**Meets Graduation Requirement:** English  
**Meets UC/CSU “a-g” subject area:** n/a

### Film As Literature (FLIT100)
Students study film both as an art form and as a form of communication. They are taught how to "read" a film, just as students who study literature are taught to "see" how different literary forms and conventions are used by writers to achieve specific
Effects. Students also study the history of the cinema and become familiar with the techniques of filmmaking. In addition, students examine how films often reflect the times and conditions in which they are made, and conversely, how motion pictures sometimes help shape social attitudes and values. The prime objectives of the course are to help each student understand and use the specialized vocabulary used by filmmakers, film reviewers; to recognize the conventions of specific film genres; to recognize a film's purpose; to recognize and understand the subtext of a film; to recognize the technical and artistic factors that contribute to the overall merit of a film; to understand the roles of those who collaborate on the making of a film, and to write and speak knowingly about film whether reviewing a single film or comparing and contrasting two films.

**Meets Graduation Requirement:** English
**Meets UC/CSU “a-g” subject area:** b, g

**Homeland Language 1** HMLA101
This course is used to transfer a student's homeland language course to a LOTE course.

**Meets Graduation Requirement:** English
**Meets UC/CSU “a-g” subject area:** f, g

**Homeland Language 2** HMLA102
This course is used to transfer a student's homeland language course to a LOTE course.

**Meets Graduation Requirement:** English
**Meets UC/CSU “a-g” subject area:** f, g

**Journalism 1** JOUR151
The elements of reporting, journalistic writing, editing, layout and production are covered. Students are responsible for production of a school newspaper. The skills of analysis and critique are emphasized, with models selected from local and national sources. These courses must be taken sequentially.

**Meets Graduation Requirement:** Elective
**Meets UC/CSU “a-g” subject area:** g

**Journalism 2** JOUR152
The elements of reporting, journalistic writing, editing, layout and production are covered. Students are responsible for production of a school newspaper. The skills of analysis and critique are emphasized, with models selected from local and national sources. These courses must be taken sequentially.

**Meets Graduation Requirement:** Elective
**Meets UC/CSU “a-g” subject area:** b, g

**Literature & Philosophy: Ethics of Eating** LPHL101A
Sustainably farmed carrots, pastured chicken eggs, grass-fed beef, Frankenfoods: What does it all mean, and what does it have to do with us? This course will explore food-production and consumption issues, seeking answers to essential questions that are central to the way we live our lives. While the course will naturally incorporate some discussion of the science related to the major topics and essential questions, its primary focus will be on the aesthetic, cultural, moral and ethical dimensions of the many choices we make each day when we decide what to eat.

**Meets Graduation Requirement:** English
**Meets UC/CSU “a-g” subject area:** b, g

**Literature & Psychology** LITP100
Why does Lady Macbeth keep trying to wash away that damned (invisible) spot? Why can't Willy Loman stop telling those ridiculous lies? What's the deal with that hideous portrait in Dorian Gray's attic? This course will use basic Freudian concepts regarding the id, ego, and superego, defense mechanisms, and more in order to answer such questions. Students will study basic psychological theory and terminology in order to have a common conceptual basis and language for examining character development and motivation in literature. The course's dramas, novels, and short stories present psychological issues in a clear manner suitable for students who are beginners in this type of literary analysis.

**Meets Graduation Requirement:** English
**Meets UC/CSU “a-g” subject area:** b, g

**Literature/Philosophy** LPHL100
Students are introduced to the specific skills of
reading, analyzing and writing about philosophy
texts and philosophical stories, poems and novels. In
addition, students develop critical thinking skills by
exploring questions: What is philosophy? How and
why did it develop? What is its relevance today?
Classroom discussion and written work focus on
understanding philosophical positions. Students
analyze the arguments advanced in support of these
positions and write essays comparing and criticizing
various philosophical issues.

Meet Graduation Requirement: English
Meet UC/CSU “a-g” subject area: b, g

Literature/Philosophy Honors     LPHL200
Students are introduced to the specific skills of
reading, analyzing and writing about philosophy
texts and philosophical stories, poems and novels. In
addition, students develop critical thinking skills by
exploring questions: What is philosophy? How and
why did it develop? What is its relevance today?
Classroom discussion and written work focus on
understanding philosophical positions. Students
analyze the arguments advanced in support of these
positions and write essays comparing and criticizing
various philosophical issues.

Meet Graduation Requirement: English
Meet UC/CSU “a-g” subject area: b, g

Novel          NOVL100
Students read a variety of novels from
representative periods in history and from a variety
of cultures. They trace the structure and
development of a novel by a close reading of the
works and guided discussions. Although the primary
focus of the course is the study of the novel,
students also learn techniques of critical essay
writing and they develop their writing skills in critical
papers.

Meet Graduation Requirement: English
Meet UC/CSU “a-g” subject area: b, g

Poetry        POET100
Students read major poets and study the forms of
poetry. Students develop their abilities to read,
understand, and appreciate poetry and to write their
own poetry.

Meet Graduation Requirement: Elective
Meet UC/CSU “a-g” subject area: g

Pre Literacy      PLIT100
Pre Literacy is designed for students who need
exposure to initial literacy skills including phonemic
awareness, single word decoding, spelling, writing
and literal comprehension.

Meet Graduation Requirement: Elective
Meet UC/CSU “a-g” subject area: n/a

Public Speaking    PSPK150
This course includes study and practice of principles
in strategic, confident, and credible public speaking.
Assignments include a variety of oral presentations:
special occasion, personal experience, impromptu,
panel discussion, informative and persuasive. The
course includes anxiety management, speech
organization research and support, communication
ethics, diverse audiences, listening skills and
dynamic delivery.

Meet Graduation Requirement: Elective
Meet UC/CSU “a-g” subject area: g

Reach Reading      REAC650
This is a specialized reading program for students
with disabilities.

Meet Graduation Requirement: Elective
Meet UC/CSU “a-g” subject area: n/a

Reading         READ600
Reading offers intensive focus on English language
skills in small groups. Students work on oral reading
and comprehension, spelling, vocabulary, grammar,
writing, and computer-managed and assisted skills
programs.

Meet Graduation Requirement: Elective
Meet UC/CSU “a-g” subject area: n/a

Reading and Writing Enrichment    RDWR100
This course emphasizes strategies that are
referenced to enhance reading skills. This course was
also designed to improve competence in all of the
important reading skills, especially those that are
required for academic success.

Meet Graduation Requirement: Elective
Meet UC/CSU “a-g” subject area: n/a

Reading Program   READ100
Reading offers intensive focus on English language
skills in small groups. Students work on oral reading
and comprehension, spelling, vocabulary, grammar,
writing, and computer-managed and assisted skills
programs.

Meet Graduation Requirement: Elective
Meet UC/CSU “a-g” subject area: n/a

Science Fiction & Fantasy     SIFI100
This course includes works that explore the non-
existent, unreal world of characters who encounter
physical and scientific experiences not yet
discovered or contrary to present reality. Students will read works which project problems of contemporary society into a possible future. The course should stimulate discussion and writing on the unreal world in these works and the problems of contemporary society projected into a possible future.

**Shakespeare SHKS100**

Students study a representative sampling of comedies, tragedies, and histories as well as selected poetry. Students read intensively rather than extensively, studying a selection of Shakespeare’s plays and poems, developing their ability to read literature of complexity. They practice specific skills such as the use of footnotes and context clues and the recognition of figurative language and imagery. Students analyze these works by writing essays following the writing process. Class and small group discussions are a part of the course.

**Success Strategies STRS600**

Strategies for Success is a one-year course designed to assist ninth grade students in their transition from middle school to high school, particularly in their adaptation to the demands of school’s academic culture. The students learn techniques such as effective time management, consistent organization, assertive communication, outlining, note-taking from lectures and from reading, test-taking skills, and SQ3R (a reading comprehension technique). In addition, the course includes the discussion of topics such as self-discipline, responsibility, and the setting of short-term and long-term goals. Students are encouraged to reflect honestly about the positive and negative consequences of their past choices and about their power and capability to make the best possible choices in the future. Finally, the course provides academic and personal support by allowing time for study groups, peer tutoring, and peer counseling.

**Writing WRIT650**

This course is designed to support and improve the writing skills of students who are working toward the certificate of completion.

**Mathematics**

**Accelerated Math Honors ACMA250**

Students learn algebra standards reinforced by reviewing operations with rationale number, inequalities, exponents, scientific notation, problem solving, introductory probability, polynomials, factoring, quadratics, functions, equations of lines, systems of equations and inequalities, determinants and radical expressions. In addition, students will study matrices, right triangle trigonometry, additional techniques of factoring quadratic polynomial, synthetic substitution, rational root theorem, formal logic, sequences and series, the Binomial Theorem, applications in probability, combinations and permutations, and strategies for SAT type questions.

**Advanced Math Topics AMTP450**

Topics in special areas of mathematics not included in the regular course offerings. Offered from time to time when there is sufficient interest among qualified students. Contents and prerequisites vary. Written permission required.

**Algebra 1 ALGE151**

Students in this course will cover the CA State standards in Algebra. In particular, they will study the following topics: symbol manipulation, solving linear equations, understanding linear functions (including slope as rate of change, representing a linear function as a set of points, an equation, a graph, and in situations and understanding the connections among the representations), understanding and solving systems of linear equations and inequalities, basic polynomial
operations, understanding quadratic functions, and solving quadratic equations.

**Meets Graduation Requirement:** Math  
**Meets UC/CSU “a-g” subject area:** c

**Algebra 1 Honors ALGE251**  
This course covers Algebra topics in more depth, with some additional topics in Advanced Algebra or Geometry. Students will deal with more challenging problems, including complex word problems. New topics are approached more rapidly and are studied in greater detail.  
**Meets Graduation Requirement:** Math  
**Meets UC/CSU “a-g” subject area:** c

**Algebra 2 ALGE152**  
Students continue their study of functions and their graphs: linear, quadratic, exponential, logarithmic, rational and irrational. This includes transformations of graphs, representing functions in multiple ways and understanding the connections among the representations and using functions to model real-world situations. They will also study systems of linear functions, systems of linear inequality, solving polynomial and rational equations, sequences and series, and probability and statistics. The students in this course will continue their study of functions and their graphs: linear, quadratic, exponential, logarithmic, rational and irrational. They will also study systems of equations, sequences, series, probability and triangle trigonometry.  
**Meets Graduation Requirement:** Math  
**Meets UC/CSU “a-g” subject area:** c

**Algebra 2 Honors ALGE252**  
This course covers the topics of Algebra 2 in more depth with some additional topics in Pre-calculus such as trigonometry. Students deal with more challenging problems, including complex word problems. New topics are approached more rapidly and are studied in greater detail.  
**Meets Graduation Requirement:** Math  
**Meets UC/CSU “a-g” subject area:** c

**Algebra Lab ALGL000**  
Students advance their knowledge and use of algebra. This course is typically taught concurrently with algebra.  
**Meets Graduation Requirement:** Math  
**Meets UC/CSU “a-g” subject area:** n/a

**Algebra Math ALGE650**  
This course covers algebra topics for students who are working towards the certificate of completion.  
**Meets Graduation Requirement:** Math  
**Meets UC/CSU “a-g” subject area:** n/a

**Algebraic Thinking ALGT150-550**  
Students advance and apply their knowledge of algebra on problems and projects.  
**Meets Graduation Requirement:** Elective  
**Meets UC/CSU “a-g” subject area:** n/a

**AP Calculus AB CALC350**  
This is a year long college level course in introductory calculus. The content of Advanced Placement Calculus AB follows the topics outlined by the College Board. In general, students in the AB course study topics in functions, graphs, limits, continuity, and techniques and applications of differential and integral calculus. Students will study limits of sequences and functions, elements of differential and integral calculus, techniques of integration (including substitution by parts, partial fractions, and trigonometric identities), hyperbolic functions and their graphs.  
**Meets Graduation Requirement:** Math  
**Meets UC/CSU “a-g” subject area:** c, g

**AP Calculus BC CALC351**  
Students study topics in functions, graphs, limits, continuity, and techniques, and applications of differential and integral calculus. Students in the BC course study calculus more extensively and theoretically, including functions defined in polar and parametric forms, sequences, and series. Students in the Calculus BC course study all topics in the AB course in addition to functions defined in polar and parametric forms, sequences, series, more applications of derivatives, more techniques and application of antiderivatives as outlined by the College Board.  
**Meets Graduation Requirement:** Math  
**Meets UC/CSU “a-g” subject area:** c, g

**AP Computer Science A CMSC350**  
Computer Science A emphasizes object-oriented programming methodology with an emphasis on problem solving and algorithm development and is meant to be the equivalent of a first-semester course in computer science. It also includes the study of data structures and abstraction,  
**Meets Graduation Requirement:** Elective  
**Meets UC/CSU “a-g” subject area:** g
AP Statistics  STAT350
The course is equivalent to a college level statistics class. The major topics are exploring data, planning a study, anticipating patterns, and statistical inference. Students who successfully complete this course are prepared to take the AP Statistics exam and have the ability to earn college credit and advanced standing by passing the exam.
Meets Graduation Requirement: Math
Meets UC/CSU “a-g” subject area: c, g

C++ Programming  CPLS150
This course introduces the basic concepts of computer science including the ethical and social impacts of computing. Emphasis is given to problem-solving, problem analysis, and algorithm design. This course offers programming concepts using C++ programming languages. Students will learn about and use variable, data types and operators. Students will be introduced to arrays, flow-control, exception handling and differing data structures, and apply this knowledge in hands-on experiences. In this course, students will learn the fundamentals of computer programming from a practical perspective. The thematic focus will be video games, and the structure of projects in class will mirror the professional norms of the game industry. In addition to the programming and design work, some reading (both mainstream media articles and technical information) and writing (both expository and reflective) will be required.
Meets Graduation Requirement: Elective
Meets UC/CSU “a-g” subject area: g

CAHSEE Math  CHSM150-550
This class provides support to students who have not yet passed the CAHSEE Mathematics exam.
Meets Graduation Requirement: Elective
Meets UC/CSU “a-g” subject area: n/a

Calculus  CALC150
A study of functions with applications, and an introduction to differential calculus. Topics include a review of algebra and functions, mathematical modeling with elementary functions, rates of change, inverse functions, logarithms and exponential functions, the derivative, differential equations, and Euler’s method. Precalculus topics are reviewed when they are needed in the development of calculus. Topics include graphical interpretations of the derivative, zeroes of functions, optimization, related rates, antidifferentiation, initial value problems, review of trigonometry, modeling with trigonometric functions, geometric sums and series, and the Fundamental Theorem of Calculus.
Meets Graduation Requirement: Math
Meets UC/CSU “a-g” subject area: c, g

Computer Programming  CPRG150
This course introduces the basic concepts of computer science including the ethical and social impacts of computing. Emphasis is given to problem-solving, problem analysis, and algorithm design. This course offers programming concepts using Java or similar programming languages. Students will learn about and use variable, data types and operators. Students will be introduced to arrays, flow-control, exception handling and differing data structures, and apply this knowledge in hands-on experiences.
Meets Graduation Requirement: Elective
Meets UC/CSU “a-g” subject area: g

Computer Programming B  PROG150B
This course introduces the basic concepts of computer science including the ethical and social impacts of computing. Emphasis is given to problem-solving, problem analysis, and algorithm design. This course offers programming concepts using Java or similar programming languages. Students will learn about and use variable, data types and operators. Students will be introduced to arrays, flow-control, exception handling and differing data structures, and apply this knowledge in hands-on experiences.
Meets Graduation Requirement: Elective
Meets UC/CSU “a-g” subject area: g

Computer Science Principles  CRPR150
This one semester course is based on the same curriculum used in the first semester CS10 Computer Science course that is taught at UC Berkeley. Eventually, this course will prepare students to take a new AP Computer Science Principles exam that will be offered for the first time in the Spring of 2017. Students will learn to program using the Snap programming language. The course also covers some of the "Big Ideas" of computing, such as abstraction, design, recursion, concurrency, simulations, and the history, future and limits of computation.
Meets Graduation Requirement: Elective
Meets UC/CSU “a-g” subject area: g

Computers and Robotics Technology  CROB150A
Students will work as a team to design and build a robot with the goal of competing in a robotics tournament. Topics in the Computer & Robotics Technology course include: Safety and
Environmental Issues, Safe tool use and shop training for the following power tools, Networks, Personal Computers and Components, Robot components and subsystems, Basic Electronics, Circuits and Soldering, Operating Systems, CAD design, Programming, Laptop and Portable Devices, Printers and Scanners, Security, Preventive Maintenance and Troubleshooting.  
**Meets Graduation Requirement:** Elective  
**Meets UC/CSU “a-g” subject area:** g

Computers Introduction  
**COMP150**  
Students learn various computer applications.  
**Meets Graduation Requirement:** Elective  
**Meets UC/CSU “a-g” subject area:** g

Computers Introduction 1  
**COMP151**  
This course provides extensive hands-on computer experience developing introductory computer skills including word processing, database, spreadsheets, presentations, graphics and layout.  
**Meets Graduation Requirement:** Elective  
**Meets UC/CSU “a-g” subject area:** g

Computers Introduction 2  
**COMP152**  
This course provides extensive hands-on computer experience developing introductory computer skills including word processing, database, spreadsheets, presentations, graphics and layout.  
**Meets Graduation Requirement:** Elective  
**Meets UC/CSU “a-g” subject area:** g

CP Support  
**CPSP151**  
This is a math support course for students who are in college preparatory math courses.  
**Meets Graduation Requirement:** Elective  
**Meets UC/CSU “a-g” subject area:** n/a

CPM Algebra  
**ALGC150-550**  
Students in this course will cover the CA State standards in Algebra. In particular, they will study the following topics: symbol manipulation, solving linear equations, understanding linear functions (including slope as rate of change, representing a linear function as a set of points, an equation, a graph, and in situations and understanding the connections among the representations), understanding and solving systems of linear equations and inequalities, basic polynomial operations, understanding quadratic functions, and solving quadratic equations.  
**Meets Graduation Requirement:** Math  
**Meets UC/CSU “a-g” subject area:** c

Exploring Computer Science  
**EXCS150**  
Exploring Computer Science is designed to introduce students to the breadth of the field of computer science through the exploration of engaging and accessible topics. Students are introduced to the concepts of computer and computing while investigating the major components of computers and the suitability of these components for particular applications. Students become "computational thinkers" by applying a variety of problem-solving techniques as they create solutions to problems in a variety of contexts. Students are prepared to take the role of a developer by expanding their knowledge of programming and Web page design and applying it to the creation of Web pages, programs, and documentation for users and equipment. Students are introduced to some basic issues associated with program design and development; students design programming solutions to a variety of computational problems including animated stories, video games and community based projects. Students explore how computing facilitates new methods of managing and interpreting data; students use computers to translate, process and visualize data in order to find patterns and test hypotheses. Students apply previous concepts to the study of robotics and work in small groups to build and program a robot to perform a required task. Other topics that may be explored in the course include game design, media computation, or mobile application development.  
**Meets Graduation Requirement:** Elective  
**Meets UC/CSU “a-g” subject area:** g

Geometric Thinking  
**GEOT150-550**  
Students delve into deeper geometric thinking and tackle geometry problems and proofs.  
**Meets Graduation Requirement:** Elective  
**Meets UC/CSU “a-g” subject area:** n/a

Geometry  
**GEOM150-550**  
Students in this course will study the use of definitions, conjectures, postulates, and theorems in the study of angles, triangles, congruency, perpendicular and parallel lines, symbolic logic, direct and indirect proofs, geometric inequalities, elementary coordinate geometry, constructions, polygonal regions and their areas, similarity, circles and spheres, volumes of solid and elementary trigonometry.  
**Meets Graduation Requirement:** Math  
**Meets UC/CSU “a-g” subject area:** c
**Geometry Honors GEOM250**
This course covers the topics of Geometry in more depth with some additional topics in Advanced Algebra or Pre-calculus. Students will deal with more challenging problems, including complex word problems and more emphasis on geometric proof. New topics are approached more rapidly and are studied in greater detail. Students are expected to review on their own.

**Meets Graduation Requirement:** Math
**Meets UC/CSU “a-g” subject area:** c

**IMP 1 IMPM151**
This is the first year of the IMP Math program.

**Meets Graduation Requirement:** Math
**Meets UC/CSU “a-g” subject area:** n/a

**Information Science INFO160**
This course is no longer used and will be inactivated after spring 2014.

**Meets Graduation Requirement:** Elective
**Meets UC/CSU “a-g” subject area:** n/a

**Integrated Math 1 INMA151**
This is the first year of a three year sequence that teaches the same mathematical topics as found in the algebra, geometry, advanced algebra sequence. In addition topics from logic, probability and statistics, discrete mathematics and functions are included. Students in this course will study the following topics: linear equations and inequalities, multiplying binomials, factoring, angles, polygons, circles, perimeter, circumference, area, surface area, volume, trigonometric ratios, analyzing and applying data, experimental and theoretical probability, geometric probability, conjectures, counterexamples, discrete quantities, and matrices.

**Meets Graduation Requirement:** Math
**Meets UC/CSU “a-g” subject area:** c

**Integrated Math 2 INMA152**
This is the second year of a three year sequence that teaches the same mathematical topics as found in the algebra, geometry, advanced algebra sequence. In addition topics from logic, probability and statistics, discrete mathematics and functions are included. Students in this course will study the following topics: quadratic equations, linear systems, rational equations, complex numbers, similar and congruent figures, geometric proofs, coordinate and transformational geometry, special right triangles, sampling, simulation, and binomial distributions, inductive and deductive reasoning, postulates, proof, operations with matrices and counting techniques.

**Meets Graduation Requirement:** Math
**Meets UC/CSU “a-g” subject area:** c

**Integrated Math 3 INMA153**
This is the third year of a three year sequence that teaches the same mathematical topics as found in the algebra, geometry, advanced algebra sequence. In addition topics from logic, probability and statistics, discrete mathematics and functions are included. Students in this course will study the following topics: polynomial functions, exponential functions, logarithmic functions, parametric equations, inscribed figures, transforming graphs, vectors, triangle and circle trigonometry, variability, standard deviation, z-scores, sequences and series, recursion and limits.

**Meets Graduation Requirement:** Math
**Meets UC/CSU “a-g” subject area:** c

**Integrated Math 4 INMA154**
Integrated Math 4 continues to build on the development of concepts introduced in the integrated series. This course will emphasize skills necessary for problem-solving and continued growth in mathematics. Students will apply concepts of number and operations, algebraic relationships, geometric and spatial relationships, measurement, and data analysis and probability.

**Meets Graduation Requirement:** Math
**Meets UC/CSU “a-g” subject area:** c

**Math MATH650**
This math course is differentiated, based on individual needs. This course is appropriate for students working toward the certificate of completion.

**Meets Graduation Requirement:** Elective
**Meets UC/CSU “a-g” subject area:** n/a

**Math Exploration MXPL150-550**
This course focuses on mathematical reasoning and the solving of real-life problems, rather than on routine skills and appreciation. Three or four topics are studied in depth, with at least three chosen from the following list: counting techniques and probability, graph theory, logic/set theory, mathematical modeling, mathematics of finance, game theory, linear programming, and statistics

**Meets Graduation Requirement:** Elective
**Meets UC/CSU “a-g” subject area:** n/a
Math Geometry  GEOM650
Students in this course will study the use of definitions, conjectures, postulates, and theorems in the study of angles, triangles, perpendicular and parallel lines, symbolic logic, direct and indirect proofs, geometric inequalities, elementary coordinate geometry, constructions, polygonal regions and their areas, similarity, circles and spheres, volumes of solid and elementary trigonometry. This course is designed for students working toward the certificate of completion.
Meets Graduation Requirement: Math
Meets UC/CSU “a-g” subject area: n/a

Math Lab  MLAB150-550
Students work on math problems in a lab situation.
Meets Graduation Requirement: Elective
Meets UC/CSU “a-g” subject area: n/a

Math Support  MATH150-550
Students enrolled in this course must also be concurrently enrolled in an Algebra course. The purpose of this course is to accelerate students learning and provide enough support so that students can succeed in their algebra course. This is done by building on the foundation blocks of mathematics (numerical and geometric reasoning, number sense, proportional reasoning, and algebraic thinking), providing time to learn in different modalities (i.e. use of manipulatives, group investigations, etc.), and to learn study skills to succeed in college preparatory mathematics.
Meets Graduation Requirement: Elective
Meets UC/CSU “a-g” subject area: n/a

Networking & IS 1  NTWK151
This course uses Cisco Networking Academy curriculum and teaches computer and networking concepts. After completing this course, students will have the knowledge to use, maintain and troubleshoot common computer networks like those found in a home or small business. No prior computer or networking experience is required. Course concepts include: Personal Computer Hardware, Operating Systems, Connecting to the Network, Connecting to the Internet Through an ISP, Network Addressing, Network Services, Wireless Technologies, Basic Security, Troubleshooting your network, and Putting it all Together.
Meets Graduation Requirement: Math
Meets UC/CSU “a-g” subject area: n/a

Networking & IS 2  NTWK152
This course uses Cisco Networking Academy curriculum and teaches computer and networking concepts. After completing this course, students will have the knowledge to use, maintain and troubleshoot common computer networks like those found in a home or small business. No prior computer or networking experience is required. Course concepts include: Personal Computer Hardware, Operating Systems, Connecting to the Network, Connecting to the Internet Through an ISP, Network Addressing, Network Services, Wireless Technologies, Basic Security, Troubleshooting your network, and Putting it all Together.
Meets Graduation Requirement: Math
Meets UC/CSU “a-g” subject area: n/a

Pre-Algebra  PALG150
This course focuses on basic math skills, including addition, subtraction, multiplication and division.
Meets Graduation Requirement: Elective
Meets UC/CSU “a-g” subject area: n/a

Pre-Calculus  PCAL150
This is the first semester of a year long course. Students in this year long course will further their study of functions and their graphs: rational functions, piecewise functions and trigonometric functions. Students will be able to find inverse of functions as well as learn how to compose functions. In addition, students will study trigonometric identities, laws of sines and cosines, conic sections, polar equations and their graphs, conic sections, vectors, sequences and limits of sequences, and introduction to limits.
Meets Graduation Requirement: Math
Meets UC/CSU “a-g” subject area: n/a

Pre-Calculus H  PCAL250
This is the first semester of a year long course. Students in this year long course will further their study of functions and their graphs: rational functions, piecewise functions and trigonometric functions. Students will be able to find inverse of functions as well as learn how to compose functions. In addition, students will study trigonometric identities, laws of sines and cosines, conic sections, polar equations and their graphs, conic sections, vectors, sequences and limits of sequences, and introduction to limits.
Meets Graduation Requirement: Math
Meets UC/CSU “a-g” subject area: n/a
Principles of Computer Science  PCMP150A
An introduction to computer science that uses the first 10 weeks of UC Berkeley's CS10 "Beauty & Joy of Computing" curriculum. Students learn algorithms and use programming techniques to solve problems. Covers the history, social implications, great principles, future of computing, beautiful applications that have changed the world, how computing empowers discovery and progress in other fields. Relevance of computing to the student and society will be emphasized. Students will learn will complete a substantial team programming project related to their interests.
Meets Graduation Requirement: Elective
Meets UC/CSU “a-g” subject area: g

Probability & Statistics  STAT150
The students in this course will study descriptive statistics, organization of data, probability theory, sampling, and other related topics.
Meets Graduation Requirement: Math
Meets UC/CSU “a-g” subject area: c, g

Problem Solving  PRBS150
This course focuses on individual and group problem solving. It is intended for students who enjoy solving challenging problems and who are interested in learning various techniques and background information useful for problem solving.
Meets Graduation Requirement: Elective
Meets UC/CSU “a-g” subject area: n/a

Robotics 1A  ROBO150A
The objective of this course is to use a hands-on approach to introduce the basic concepts in robotics, focusing on mobile robots and illustrations of current state of the art research and applications. Course information will be tied to lab experiments; students will work in teams to build and test increasingly more complex robots, culminating in an end-of-semester robot contest. This course introduces fundamental concepts in Robotics. In this course, basic concepts will be discussed, including coordinate transformations, sensors, path planning, kinematics, feedback and feedforward control, stressing the importance of integrating sensors, effectors and control. The last part of the course will focus on applying the knowledge from the initial lectures to the key approaches to mobile robot control (reactive, behavior-based, and hybrid), and briefly discuss robot learning and multi-robot systems. In the lab, robot kits will be used in weekly exercises illustrating lecture material; the last month of the lab will be spent in applying the learned material to a final project, in which the students will design and build a robot for a final competition.
Meets Graduation Requirement: Elective
Meets UC/CSU “a-g” subject area: n/a

Systems Applications  SYSA150
SYSTEMS APPL
Meets Graduation Requirement: Elective
Meets UC/CSU “a-g” subject area: n/a

Science

Advanced Biology Environment/Phy  BIOL450
Advanced study of different aspects of man's relationship with the biological and physical environment. Includes readings in current research on an environmental issue.
Meets Graduation Requirement: Elective
Meets UC/CSU “a-g” subject area: n/a

Advanced Biology Evolution  BIOL452
The study of adaptation and diversity from both a micro and macro evolutionary perspective. Principles of population genetics, molecular evolution, phylogeny and systematics will be addressed in lecture and readings. Applications in behavior, physiology, ecology, medicine and conservation are stressed throughout.
Meets Graduation Requirement: Biological Science
Meets UC/CSU “a-g” subject area: d1, g

Advanced Biology Genetics  BIOL451
This course covers current techniques in genetics and genomics and the social, ethical and legal issues surrounding genetic technology. Topics will include, but are not limited to DNA sequencing technology, genome structure and evolution, genetics of disease, personal genomics, and the human microbiome.
Meets Graduation Requirement: Biological Science
Meets UC/CSU “a-g” subject area: d1, g

AP Biology  BIOL350
This is a college level comprehensive study of Biology equivalent to the college introductory biology course usually taken by biology majors during their first year. The course covers information from the following general areas: Molecules and Cells, Heredity and Evolution, and Organisms and Populations. The course is designed to prepare students for the Advanced Placement examination and may provide college credit.
Meets Graduation Requirement: Biological Science
Meets UC/CSU “a-g” subject area: d1, g

AP Chemistry CHEM350
This college level chemistry course includes the topics of the Chemistry class (observation and quantitative laboratory measurements. The topics include: classification of matter, atomic theory, chemical formulas and equations, the periodic table, atomic structure, bonding, rates of reaction, chemical equilibrium, acids and bases, oxidation-reduction, organic, nuclear and environmental chemistry) but in greater depth. College level laboratory activities are performed when they can be adapted to the high school schedule. The course is designed to prepare students for the Advanced Placement examination and may provide college credit.
Meets Graduation Requirement: Physical Science
Meets UC/CSU “a-g” subject area: d3, g

AP Environmental Science ENVS350
The goal of this course is to provide students with the scientific principles, concepts and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. The course is designed to prepare students for the Advanced Placement examination and may provide college credit.
Meets Graduation Requirement: Science
Meets UC/CSU “a-g” subject area: d4, g

AP Physics B PHYS351
This course includes topics in both classical and modern physics. A knowledge of algebra and basic trigonometry is required for the course; the basic ideas of calculus may be introduced in connection with physical concepts, such as acceleration and work. Students should be able to understand and apply these principles in the solution of problems as a major goal of the course. Consequently, the course should utilize guided inquiry and student-centered learning to foster the development of critical thinking skills. Physics B should provide instruction in each of the following areas: kinematics; Newton's laws of motion; work, energy, and power; systems of particles and linear momentum; circular motion and rotation; and oscillations and gravitation. The course is designed to prepare students for the Advanced Placement examination and may provide college credit.
Meets Graduation Requirement: Physical Science
Meets UC/CSU “a-g” subject area: d2, g

Astronomy ASTR150-550
This course provides an overview of the major topics in astronomy such as the origin and evolution of the universe, galaxies, stars, telescopes, the solar system, and the Earth and its moon.
Meets Graduation Requirement: Physical Science
Meets UC/CSU “a-g” subject area: d2, g
Biology  BIOL150-550
This course is a study of the major topics in the life sciences that include: the cell and molecular biology, biochemistry, bioenergetics, genetics, biosystematics, evolution, and the role of human beings in their natural environment. Laboratory work is incorporated throughout the course.
Meets Graduation Requirement: Biological Science
Meets UC/CSU “a-g” subject area: d1, g

Biology 2  BIOL552
This course is a study of the major topics in the life sciences that include: the cell and molecular biology, biochemistry, bioenergetics, genetics, biosystematics, evolution, and the role of human beings in their natural environment. Laboratory work is incorporated throughout the course.
Meets Graduation Requirement: Biological Science
Meets UC/CSU “a-g” subject area: d1, g

Biology Honors  BIOL250
This course is a study of the major topics in the life sciences that include: the cell and molecular biology, biochemistry, bioenergetics, genetics, biosystematics, evolution, and the role of human beings in their natural environment. Laboratory work is incorporated throughout the course. Honors courses differentiate the core curriculum within the specific content area by using a variety of methods that provide additional challenge and opportunities for students to perform to their highest potential. Honors students will meet the academic standards while learning to think in deeper and more complex ways.
Meets Graduation Requirement: Biological Science
Meets UC/CSU “a-g” subject area: d1, g

Chemistry  CHEM150-550
This course covers the basic principles of general chemistry with an emphasis on observation and quantitative laboratory measurements. The topics include: classification of matter, atomic theory, chemical formulas and equations, the periodic table, atomic structure, bonding, rates of reaction, chemical equilibrium, acids and bases, oxidation-reduction, organic, nuclear and environmental chemistry.
Meets Graduation Requirement: Physical Science
Meets UC/CSU “a-g” subject area: d3, g

Chemistry Honors  CHEM250
Chemistry Honors is different from Chemistry in that the pace of instruction is faster, additional topics are included, and many topics are treated in greater depth and with more application of mathematics. Honors courses differentiate the core curriculum within the specific content area by using a variety of methods that provide additional challenge and opportunities for students to perform to their highest potential. Honors students will meet the academic standards while learning to think in deeper and more complex ways. This course covers the basic principles of general chemistry with an emphasis on observation and quantitative laboratory measurements. The topics include: classification of matter, atomic theory, chemical formulas and equations, the periodic table, atomic structure, bonding, rates of reaction, chemical equilibrium, acids and bases, oxidation-reduction, organic, nuclear and environmental chemistry.
Meets Graduation Requirement: Physical Science
Meets UC/CSU “a-g” subject area: d3, g

Earth Science  ESCI150
This physical science course studies the atmosphere, oceans and the earth. It includes the study of physical and historical geology, oceanography, astronomy, and meteorology. Students will learn about dynamic Earth processes, energy in the Earth system, CA geology, weather, biogeochemical cycles, the structure and composition of the atmosphere, our solar system, galaxy and the universe.
Meets Graduation Requirement: Science
Meets UC/CSU “a-g” subject area: g

Engineering  ENGR950
Engineering exposes students to the design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards and technical documentation.
Meets Graduation Requirement: Elective
Meets UC/CSU “a-g” subject area: g
Environmental Field Studies  ENFS950
Students work with local architecture firms to apply architectural design, drafting, auto-CAD, rendering and planning. Students deepen their understanding of the progressions of architecture, engineer, designer, draftsperson, and the roles each play in the design, planning and building process as it relates to the construction industry. Each student completes a project for the firm where they are assigned.

Meets Graduation Requirement: Elective
Meets UC/CSU “a-g” subject area: g

Environmental Science  ENVS150-550
This course examines environmental issues and problems. It includes the study of populations, forestry, soil chemistry, wildlife and soil conservation, air and water pollution, hazardous materials, and energy sources. Laboratories and field trips are incorporated throughout the course.

Meets Graduation Requirement: Science
Meets UC/CSU “a-g” subject area: d4, g

Geology  GEO1150
This course is an introduction to geological sciences. Topics include: geology and the methods of science, minerals, maps and mapping, igneous rocks and processes, volcanoes and volcanism, weathering and soils, sedimentation and sedimentary rocks, weathering and soils, metamorphism and metamorphic rocks, geologic time, glaciers, structural geology, earthquakes, and plate tectonics.

Meets Graduation Requirement: Science
Meets UC/CSU “a-g” subject area: g

Integrated Science 1  INSC151
This course will cover the basic concepts and process skills needed to study earth and space science, chemistry, physics and biology. Laboratory work is emphasized in order to provide students with a foundation for future coursework in science.

Meets Graduation Requirement: Science
Meets UC/CSU “a-g” subject area: g

Integrated Science 2  INSC152
This course will cover the basic concepts and process skills needed to study earth and space science, chemistry, physics and biology. Laboratory work is emphasized in order to provide students with a foundation for future coursework in science.

Meets Graduation Requirement: Science
Meets UC/CSU “a-g” subject area: g

Integrated Science Honors  INSC251
This course will cover the basic concepts and process skills needed to study earth and space science, chemistry, physics and biology. Laboratory work is emphasized in order to provide students with a foundation for future coursework in science.

Meets Graduation Requirement: Science
Meets UC/CSU “a-g” subject area: g

Issues in Public Health  PBHL150
This course offers students a basic introduction to the U.S. health care system through a selective review of current issues and challenges in health policy and management. We will explore a number of contemporary health issues in public health, environmental health, and health care delivery.

Meets Graduation Requirement: Elective
Meets UC/CSU “a-g” subject area: n/a

Marine Biology  MBIO150-550
Students take an in-depth look at the chemical, geological, and physical characteristics of the world's oceans. Students investigate the structure, functions, behaviors, adaptations, and classification of a variety of plants and animals that live in the marine environment. Students learn how energy flows and matter cycles through the Earth's ocean system and investigate the impact of humans on that system. Laboratory activities include dissection, experimentation, data collection, and data analysis that develop scientific investigation and scientific thinking skills. The course is recommended as a science elective, particularly for students interested in marine and/or environmental studies.

Meets Graduation Requirement: Biological Science
Meets UC/CSU “a-g” subject area: d1, g

Marine Science  MSC150-550
The world's oceans and basins provide the unifying framework for this laboratory program which explores concepts in astronomy, hydrology, geology, meteorology, physics, chemistry, and ecology. Emphasis is placed on the inter-relatedness of the physical and the biological components in Earth's largest ecosystem.

Meets Graduation Requirement: Science
Meets UC/CSU “a-g” subject area: d4, g

Medical/Hospital  AMED950
Students will be introduced to the academic foundations for health science learning about medical terminology, the human body and disease, current health care issues, community interaction,
and scientific research.

**Meets Graduation Requirement:** Biological Science

**Meets UC/CSU “a-g” subject area:** d1, g

**Medical/Hospital 1 MEDH951**

As part of the Health Science Academy, this course provides an overview of each of the human body systems, with an emphasis on Sports Therapy. In addition, for each body system students will be studying a wide range of health care aspects that include the following: human body system, pathologies, health care careers, public health, medical terminology, and mental health.

**Meets Graduation Requirement:** Biological Science

**Meets UC/CSU “a-g” subject area:** d1, g

**Medical/Hospital 2 MEDH952**

As part of the Health Science Academy, this course provides an overview of each of the human body systems, with an emphasis on Sports Therapy. In addition, for each body system students will be studying a wide range of health care aspects that include the following: human body system, pathologies, health care careers, public health, medical terminology, and mental health.

**Meets Graduation Requirement:** Biological Science

**Meets UC/CSU “a-g” subject area:** d1, g

**Physical Science PSCI150-550**

This introductory survey of the physical sciences includes the study of matter and energy, physical and chemical change, mechanics, electricity-magnetism, nuclear energy, light, sound, geology, meteorology, and astronomy.

**Meets Graduation Requirement:** Science

**Meets UC/CSU “a-g” subject area:** g

**Physics PHYS150-550**

This course is a study of the major topics of physics that includes the study of mechanics, heat and temperature, waves, electricity and magnetism, and topics in modern physics. Laboratory experiments are incorporated throughout the course and help to illustrate all topics covered.

**Meets Graduation Requirement:** Physical Science

**Meets UC/CSU “a-g” subject area:** d2, g

**Physics Conceptual PHYC150-550**

This course is designed to emphasize the concepts underlying the physics found in traditional physics courses. The approach emphasizes comprehension rather than computation in its approach, but does incorporate mathematics as guides to thinking rather than as recipes for computation. Topics covered include mechanics, properties of matter, heat, sound, electricity and magnetism, light, atomic and nuclear physics, and relativity. This is the first semester of the yearlong course.

**Meets Graduation Requirement:** Physical Science

**Meets UC/CSU “a-g” subject area:** d2, g

**Physics Honors PHYS250**

Honors courses differentiate the core curriculum within the specific content area by using a variety of methods that provide additional challenge and opportunities for students to perform to their highest potential. Honors students will meet the academic standards while learning to think in deeper and more complex ways. This course is a study of the major topics of physics that includes the study of mechanics, heat and temperature, waves, electricity and magnetism, and topics in modern physics. Laboratory experiments are incorporated throughout the course and help to illustrate all topics covered.

**Meets Graduation Requirement:** Physical Science

**Meets UC/CSU “a-g” subject area:** d2, g

**Physiology PYSO150**

This introductory course emphasizes the structure and function of the human body. It includes basic biochemistry, cell and tissue biology, foods and nutrition and disease. Laboratory work and demonstrations are included.

**Meets Graduation Requirement:** Biological Science

**Meets UC/CSU “a-g” subject area:** d1, g

**Principles of Biotech 1 PBIO151**

A one-year course in the principles of biotechnology which will study the history, present impact, and future potentials of this relatively new branch of science. The first part of the course focuses on the inheritance and physiology of genetic diseases and a review of Mendelian inheritance. The second part of the course focuses on key experiments in the history of DNA science as a model for studying the application of the scientific method. The third part of the course is on DNA chemistry and the structure and regulation of genes. The fourth section deals with the human genome and social, legal, and ethical issues engendered by the new technologies. The fifth section is an in depth analysis of the immune system, AIDS, and impact and future potentials of biotechnology.

**Meets Graduation Requirement:** Biological Science

**Meets UC/CSU “a-g” subject area:** d1, g
Principles of Biotech 2  PBIO152
Biotechnology 2 is a two-semester class that continues to advance and refine the skills acquired in Biotechnology 1. It is comprised of six units, one per each grading period. The six units are each based on a different project. The projects are all inquiry based, hands on wet labs with the exception of the last unit on bioinformatics, which is a computer based application. All of the labs have already been tested with high school students in an after school research class at Lincoln and have proven themselves to be robust, challenging, and doable. The class evaluation is based on legal, scientifically formatted lab notebooks (70%), exams (20%), and homework (10%). the second semester offers off site, after school and summer internships in industry and academic research labs.

Meets Graduation Requirement: Biological Science
Meets UC/CSU “a-g” subject area: d1, g

Science Biology 1  BIOL651
This course is a study of the major topics in the life sciences that include the cell and genetics. This course is appropriate for students working toward the certificate of completion.

Meets Graduation Requirement: Science
Meets UC/CSU “a-g” subject area: n/a

Science Biology 2  BIOL652
This course is a study of the major topics in the life sciences that include the cell and genetics. This course is designed for students working toward the certificate of completion.

Meets Graduation Requirement: Science
Meets UC/CSU “a-g” subject area: n/a

Science Earth  EART650
This physical science course studies the atmosphere, oceans and the earth. It includes the study of physical and historical geology, oceanography, astronomy, and meteorology. Students will learn about dynamic Earth processes, energy in the Earth system, CA geology, weather, the structure and composition of the atmosphere, our solar system, galaxy and the universe. This course is designed for students working toward the certificate of completion.

Meets Graduation Requirement: Science
Meets UC/CSU “a-g” subject area: n/a

Science Environmental  ENVR650
This course examines environmental issues and problems. It includes the study of populations, forestry, soil chemistry, wildlife and soil conservation, air and water pollution, hazardous materials, and energy sources. This course is designed for students working toward the certificate of completion.

Meets Graduation Requirement: Science
Meets UC/CSU “a-g” subject area: n/a

Science Integrated 1  INSC651
This course will cover the basic concepts and process skills needed to study earth and space science, chemistry, physics and biology. Laboratory work is emphasized in order to provide students with a foundation for future coursework in science. This course is designed for students working toward the certificate of completion.

Meets Graduation Requirement: Science
Meets UC/CSU “a-g” subject area: n/a

Science Lab  SLAB150
This laboratory course is designed to provide an introduction to the study of living organisms and their relationships with living and non-living systems. The effect of the physical environment on life processes will be integrated throughout the class. Science attitudes, thinking processes and skills, and applications of science and technology to social problems and personal decision making will be emphasized.

Meets Graduation Requirement: Elective
Meets UC/CSU “a-g” subject area: g

Science Marine  MSCI650
The world's oceans and basins provide the unifying framework for this laboratory program which explores concepts in astronomy, hydrology, geology, meteorology, physics, chemistry, and ecology. Emphasis is placed on the inter-relatedness of the physical and the biological components in Earth's largest ecosystem. This course is designed for students working toward the certificate of completion.

Meets Graduation Requirement: Science
Meets UC/CSU “a-g” subject area: n/a

Science Physical  PSCI650
This introductory survey of the physical sciences includes the study of matter and energy, physical and chemical change, mechanics, electricity-magnetism, nuclear energy, light, sound, geology, meteorology, and astronomy. This course is designed for students working toward the certificate of completion.
Languages Other Than English

**AP Chinese Language and Culture**  CHIN350
The College Board designs and specifies course-work requirements in order to pass the Advanced Placement Exam. The curriculum prepares the student to take this annual examination in May. Upon passing with a 3 or higher, the student receives one year of college credit equivalent to a third year college course. Emphasis is placed on advanced work in all modes of communication (interpersonal, interpretive, and presentational). Students read comment on, criticize and present from authentic language newspaper and magazine articles, broadcasts, videos, films, web pages, blogs and literary selections. Students enhance their cultural awareness and appreciation for historical and contemporary society while further refining skills in the target language. The class is conducted exclusively in the target language. Learners are provided language-use activities that enable them to: “function in informal and many formal settings [contexts];” “understand the main ideas and most supporting details in complex concrete, factual and uncomplicated abstract texts (interpretive mode) (oral/written) [receptive functions];” “produce narration, description and explanation (presentational mode) [productive functions];” “deal with complex concrete, factual and uncomplicated abstract topics related to the external environment (all modes) [content];” “comprehend extended discourse and produce oral paragraphs and simple written compositions (interpretive and presentational modes) [text-types];” “comprehend and be understood by non-sympathetic natives (interpersonal mode) [accuracy].” (2005, California Foreign Language Project, Zaslow)

**Meets Graduation Requirement:** LOTE
**Meets UC/CSU “a-g” subject area:** e, g

**AP French Language and Culture A**  FREN350A
The AP French Language and Culture course takes a holistic approach to language proficiency and recognizes the complex interrelatedness of comprehension and comprehensibility, vocabulary usage, language control, communication strategies, and cultural awareness. Students should learn language structures in context and use them to convey meaning. In standards-based world language classrooms, the instructional focus is on function and not accuracy in language use and not to overemphasize grammatical accuracy at the expense of communication. In order to best facilitate the study of language and culture, the course is taught in French.

**Meets Graduation Requirement:** LOTE
**Meets UC/CSU “a-g” subject area:** e, g

**AP French Language and Culture B**  FREN350B
The AP French Language and Culture course takes a holistic approach to language proficiency and recognizes the complex interrelatedness of comprehension and comprehensibility, vocabulary usage, language control, communication strategies, and cultural awareness. Students should learn language structures in context and use them to convey meaning. In standards-based world language classrooms, the instructional focus is on function and not the examination of irregularity and complex grammatical paradigms about the target language. Language structures should be addressed inasmuch as they serve the communicative task and not as an end goal unto themselves. The AP French Language and Culture course strives to promote both fluency and accuracy in language use and not to overemphasize grammatical accuracy at the expense of communication. In order to best facilitate the study of language and culture, the course is taught in French.

**Meets Graduation Requirement:** LOTE
**Meets UC/CSU “a-g” subject area:** e, g
and Culture course strives to promote both fluency and accuracy in language use and not to overemphasize grammatical accuracy at the expense of communication. In order to best facilitate the study of language and culture, the course is taught in French.

**Meets Graduation Requirement:** LOTE
**Meets UC/CSU “a-g” subject area:** e, g

**AP Italian Language and Culture**  ITAL350
The College Board designs and specifies the coursework requirements in the world language courses. The curriculum prepares the student to take the annual Advanced Placement examination in May. Upon passing the examination successfully (with a grade of 3, 4, or 5), the student receives one year of college credit equivalent to a second or third year college course in the target language.

**Meets Graduation Requirement:** LOTE
**Meets UC/CSU “a-g” subject area:** e, g

**AP Japanese Language and Culture**  JAPN350
The College Board designs and specifies the coursework requirements in the world language courses. The curriculum prepares the student to take the annual Advanced Placement examination in May. Upon passing the examination successfully (with a grade of 3, 4, or 5), the student receives one year of college credit equivalent to a second or third year college course in the target language.

**Meets Graduation Requirement:** LOTE
**Meets UC/CSU “a-g” subject area:** e, g

**AP Spanish Language**  SPAN350
The College Board designs and specifies the coursework requirements in the world language courses. The curriculum prepares the student to take the annual Advanced Placement examination in May. Upon passing the examination successfully (with a grade of 3, 4, or 5), the student receives one year of college credit equivalent to a second or third year college course in the target language.

**Meets Graduation Requirement:** LOTE
**Meets UC/CSU “a-g” subject area:** e, g

**AP Spanish Literature and Culture**  SPAN351
The College Board designs and specifies the coursework requirements in the world language courses. The curriculum prepares the student to take the annual Advanced Placement examination in May. Upon passing the examination successfully (with a grade of 3, 4, or 5), the student receives one year of college credit equivalent to a second or third year college course in the target language.

**Meets Graduation Requirement:** LOTE
**Meets UC/CSU “a-g” subject area:** e, g

**Cantonese 1**  CNTO151
The beginning level course emphasizes the development of communication skills and awareness of cultural difference through materials and activities. Emphasis is placed on listening and speaking skills as well as the initial development of reading and writing. Students are expected to demonstrate their basic cultural knowledge. They should be able to respond spontaneously and orally to simple, real life conversational cues.

**Meets Graduation Requirement:** LOTE
**Meets UC/CSU “a-g” subject area:** e, g

**Cantonese 2**  CNTO152
The intermediate course continues to build upon structures, skills and cultural knowledge developed in the first year. There is continued emphasis on listening and speaking skills. Students begin to use the language to be creative, in both spoken and written formats, and by incorporating and expanding upon learned, high frequency linguistic patterns, which include daily activities, common events, and narrations in the present, past and future tenses.

**Meets Graduation Requirement:** LOTE
**Meets UC/CSU “a-g” subject area:** e, g

**Cantonese 3**  CNTO153
In this advanced-intermediate course, the student continues to develop more advance linguistic skills and to expand on vocabulary as well as to review previous material. The class is taught in the target language. Students are expected to expand their cultural knowledge. They are also expected to be able to understand and sustain more complex conversation, to formulate more complex question-answer patterns and to begin writing in the target language with coherence and correct grammatical application. Besides daily oral grammatical exercise, students will develop critical thinking skills upon reading and discussing short stories, poems and dramas written in the target language. Students will give brief, oral presentations to the class on a variety of topics which may be assigned or of their own choice.

**Meets Graduation Requirement:** LOTE
**Meets UC/CSU “a-g” subject area:** e, g

**Cantonese 4**  CNTO154
Emphasis is placed on advanced work in all skills.
Students read, comment on, criticize and present from authentic language newspaper and magazine articles, broadcasts, videos, films and literary selections. Students will enhance their cultural awareness and appreciation for historical and contemporary society while further refining skills in the target language. The class is conducted in the target language.

Meets Graduation Requirement: LOTE
Meets UC/CSU “a-g” subject area: e, g

Chinese 1 Honors  CHIN251
The beginning level course emphasizes the development of communication skills and awareness of cultural difference through materials and activities. Emphasis is placed on listening and speaking skills as well as the initial development of reading and writing. Students are expected to demonstrate their basic cultural knowledge. They should be able to respond spontaneously and orally to simple, real life conversational cues.

Meets Graduation Requirement: LOTE
Meets UC/CSU “a-g” subject area: e, g

Chinese 2 CHIN152
This class is taught in the target language. Students are expected to learn to communicate in the target language by using the three modes of communication (interpersonal, interpretive, and presentational). Students will be able to communicate in the target language rather than merely to show knowledge about the language. This beginning course emphasizes the development of communication skills and the awareness of target-language cultures through the activities and materials used to develop the language skills. Learners are provided language-use activities that enable them to: “function in common daily settings for which they have rehearsed [contexts]; "understand learned words and phrases in authentic texts [interpretive mode] [receptive functions]; "produce learned words and phrases (presentational mode) [productive functions]; "deal with discrete elements of life [content]; "comprehend and produce oral and written words and phrases [text-types]; "comprehend and be understood by highly-sympathetic natives [interpersonal and presentational mode] [accuracy]. (2005, California Foreign Language Project, Zaslow)

Meets Graduation Requirement: LOTE
Meets UC/CSU “a-g” subject area: e, g

Chinese 3 CHIN153
In this advanced-intermediate course, the student continues to develop more advance linguistic skills and to expand on vocabulary as well as to review previous material. The class is taught in the target language. Students are expected to expand their cultural knowledge. They are also expected to be able to understand and sustain more complex conversation, to formulate more complex question-answer patterns and to begin writing in the target language with coherence and correct grammatical application. Besides daily oral grammatical exercise, students will develop critical thinking skills upon reading and discussing short stories, poems and dramas written in the target language. Students will
give brief, oral presentations to the class on a variety of topics which may be assigned or of their own choice.

**Meets Graduation Requirement:** LOTE  
**Meets UC/CSU “a-g” subject area:** e, g

**Chinese 3 Honors CHIN253**  
In this advanced-intermediate course, the student continues to develop more advance linguistic skills and to expand on vocabulary as well as to review previous material. The class is taught in the target language. Students are expected to expand their cultural knowledge. They are also expected to be able to understand and sustain more complex conversation, to formulate more complex question-answer patterns and to begin writing in the target language with coherence and correct grammatical application. Besides daily oral grammatical exercise, students will develop critical thinking skills upon reading and discussing short stories, poems and dramas written in the target language. Students will give brief, oral presentations to the class on a variety of topics which may be assigned or of their own choice.

**Meets Graduation Requirement:** LOTE  
**Meets UC/CSU “a-g” subject area:** e, g

**Chinese 4 CHIN154**  
Emphasis is placed on advanced work in all skills. Students read, comment on, criticize and present from authentic language newspaper and magazine articles, broadcasts, videos, films and literary selections. Students will enhance their cultural awareness and appreciation for historical and contemporary society while further refining skills in the target language. The class is conducted in the target language.

**Meets Graduation Requirement:** LOTE  
**Meets UC/CSU “a-g” subject area:** e, g

**Chinese 4 Honors CHIN254**  
Emphasis is placed on advanced work in all skills. Students read, comment on, criticize and present from authentic language newspaper and magazine articles, broadcasts, videos, films and literary selections. Students will enhance their cultural awareness and appreciation for historical and contemporary society while further refining skills in the target language. The class is conducted in the target language.

**Meets Graduation Requirement:** LOTE  
**Meets UC/CSU “a-g” subject area:** e, g

**Chinese Language Arts 1 CHLA171**  
This course emphasizes the fundamental language skills of reading, writing, speaking, listening, thinking, viewing and presenting in Chinese. An emphasis on vocabulary and composition skills will be an on-going part of the program. The course includes studies of various literary genres: short story, poetry, novel, drama, and non-fiction. The development of critical reading and writing skills is a major emphasis of the course.

**Meets Graduation Requirement:** LOTE  
**Meets UC/CSU “a-g” subject area:** e, g

**Chinese Language Arts 2 CHLA172**  
Students continue to learn the language skills of reading, writing, speaking, listening, thinking, viewing and presenting in Chinese. An emphasis on vocabulary and composition skills will be an on-going part of the program. The course includes studies of various literary genres: short story, poetry, novel, drama, and non-fiction. The development of critical reading and writing skills is a major emphasis of the course.

**Meets Graduation Requirement:** LOTE  
**Meets UC/CSU “a-g” subject area:** e, g

**Chinese Language Arts 3 CHLA173**  
Students continue to learn the language skills of reading, writing, speaking, listening, thinking, viewing and presenting in Chinese. An emphasis on vocabulary and composition skills will be an on-going part of the program. The course includes studies of various literary genres: short story, poetry, novel, drama, and non-fiction. The development of critical reading and writing skills is a major emphasis of the course.

**Meets Graduation Requirement:** LOTE  
**Meets UC/CSU “a-g” subject area:** e, g

**Chinese Language Arts 4 CHLA174**  
Students continue to learn the language skills of reading, writing, speaking, listening, thinking, viewing and presenting in Chinese. An emphasis on vocabulary and composition skills will be an on-going part of the program. The course includes studies of various literary genres: short story, poetry, novel, drama, and non-fiction. The development of critical reading and writing skills is a major emphasis of the course.

**Meets Graduation Requirement:** LOTE  
**Meets UC/CSU “a-g” subject area:** e, g
**Chinese Native - 4 CHIN158**  
Emphasis is placed on advanced work in all skills. Students read, comment on, criticize and present from authentic language newspaper and magazine articles, broadcasts, videos, films and literary selections. Students will enhance their cultural awareness and appreciation for historical and contemporary society while further refining skills in the target language  
**Meets Graduation Requirement:** LOTE  
**Meets UC/CSU “a-g” subject area:** e, g

**Chinese Native 1 CHIN155**  
The beginning level course emphasizes the development of communication skills and awareness of cultural difference through materials and activities. Emphasis is placed on listening and speaking skills as well as the initial development of reading and writing. Students are expected to demonstrate their basic cultural knowledge. They should be able to respond spontaneously and orally to simple, real life conversational cues.  
**Meets Graduation Requirement:** LOTE  
**Meets UC/CSU “a-g” subject area:** e, g

**Chinese Native 2 CHIN156**  
The intermediate course continues to build upon structures, skills and cultural knowledge developed in the first year. There is continued emphasis on listening and speaking skills. Students begin to use the language to be creative, in both spoken and written formats, and by incorporating and expanding upon learned, high frequency linguistic patterns, which include daily activities, common events, and narrations in the present, past and future tenses.  
**Meets Graduation Requirement:** LOTE  
**Meets UC/CSU “a-g” subject area:** e, g

**Chinese Native 3 CHIN157**  
In this advanced-intermediate course, the student continues to develop more advance linguistic skills and to expand on vocabulary as well as to review previous material. The class is taught in the target language. Students are expected to expand their cultural knowledge. They are also expected to be able to understand and sustain more complex conversation, to formulate more complex question-answer patterns and to begin writing in the target language with coherence and correct grammatical application. Besides daily oral grammatical exercise, students will develop critical thinking skills upon reading and discussing short stories, poems and dramas written in the target language. Students will give brief, oral presentations to the class on a variety of topics which may be assigned or of their own choice.  
**Meets Graduation Requirement:** LOTE  
**Meets UC/CSU “a-g” subject area:** n/a

**Filipino 1 FILP151**  
The beginning level course emphasizes the development of communication skills and awareness of cultural difference through materials and activities. Emphasis is placed on listening and speaking skills as well as the initial development of reading and writing. Students are expected to demonstrate their basic cultural knowledge. They should be able to respond spontaneously and orally to simple, real life conversational cues.  
**Meets Graduation Requirement:** LOTE  
**Meets UC/CSU “a-g” subject area:** e, g

**Filipino 2 FILP152**  
The intermediate course continues to build upon structures, skills and cultural knowledge developed in the first year. There is continued emphasis on listening and speaking skills. Students begin to use the language to be creative, in both spoken and written formats, and by incorporating and expanding upon learned, high frequency linguistic patterns, which include daily activities, common events, and narrations in the present, past and future tenses.  
**Meets Graduation Requirement:** LOTE  
**Meets UC/CSU “a-g” subject area:** e, g

**Filipino 3 FILP153**  
In this advanced-intermediate course, the student continues to develop more advance linguistic skills and to expand on vocabulary as well as to review previous material. The class is taught in the target language. Students are expected to expand their cultural knowledge. They are also expected to be able to understand and sustain more complex conversation, to formulate more complex question-answer patterns and to begin writing in the target language with coherence and correct grammatical application. Besides daily oral grammatical exercise, students will develop critical thinking skills upon reading and discussing short stories, poems and dramas written in the target language. Students will give brief, oral presentations to the class on a variety of topics which may be assigned or of their own choice.  
**Meets Graduation Requirement:** LOTE  
**Meets UC/CSU “a-g” subject area:** n/a
Filipino Advanced  FLIP450
Emphasis is placed on advanced work in all skills. Students read, comment on, criticize and present from authentic language newspaper and magazine articles, broadcasts, videos, films and literary selections. Students will enhance their cultural awareness and appreciation for historical and contemporary society while further refining skills in the target language. The class is conducted in the target language.

Meets Graduation Requirement: LOTE
Meets UC/CSU “a-g” subject area: n/a

Filipino Native 1  FILN151
The beginning level course emphasizes the development of communication skills and awareness of cultural difference through materials and activities. Emphasis is placed on listening and speaking skills as well as the initial development of reading and writing. Students are expected to demonstrate their basic cultural knowledge. They should be able to respond spontaneously and orally to simple, real life conversational cues.

Meets Graduation Requirement: LOTE
Meets UC/CSU “a-g” subject area: e, g

Filipino Native 2  FILN152
The intermediate course continues to build upon structures, skills and cultural knowledge developed in the first year. There is continued emphasis on listening and speaking skills. Students begin to use the language to be creative, in both spoken and written formats, and by incorporating and expanding upon learned, high frequency linguistic patterns, which include daily activities, common events, and narrations in the present, past and future tenses.

Meets Graduation Requirement: LOTE
Meets UC/CSU “a-g” subject area: n/a

Filipino Native 3  FILN153
In this advanced-intermediate course, the student continues to develop more advance linguistic skills and to expand on vocabulary as well as to review previous material. The class is taught in the target language. Students are expected to expand their cultural knowledge. They are also expected to be able to understand and sustain more complex conversation, to formulate more complex question-answer patterns and to begin writing in the target language with coherence and correct grammatical application. Besides daily oral grammatical exercise, students will develop critical thinking skills upon reading and discussing short stories, poems and dramas written in the target language. Students will give brief, oral presentations to the class on a variety of topics which may be assigned or of their own choice.

Meets Graduation Requirement: LOTE
Meets UC/CSU “a-g” subject area: n/a

French 1  FREN151
The beginning level course emphasizes the development of communication skills and awareness of cultural difference through materials and activities. Emphasis is placed on listening and speaking skills as well as the initial development of reading and writing. Students are expected to demonstrate their basic cultural knowledge. They should be able to respond spontaneously and orally to simple, real life conversational cues.

Meets Graduation Requirement: LOTE
Meets UC/CSU “a-g” subject area: e, g

French 1 Honors  FREN251
This class is taught in French. Students are expected to learn to communicate in the target language by using the three modes of communication (interpersonal, interpretive, and presentational). This beginning course emphasizes the development of communication skills and the awareness of target-
language cultures through the activities and materials used to develop the language skills. Learners are provided language-use activities that enable them to: "function in common daily settings for which they have rehearsed [contexts]; "understand learned words and phrases in authentic texts (interpretive mode) [receptive functions]; "produce learned words and phrases (presentational mode) [productive functions]; "deal with discrete elements of life [content]; "comprehend and produce oral and written words and phrases [text-types]; "comprehend and be understood by highly-sympathetic natives (interpersonal and presentational mode) [accuracy]. (2005, California Foreign Language Project, Zaslow)

Meets Graduation Requirement: LOTE
Meets UC/CSU “a-g” subject area: e, g

French 3    FREN153
In this advanced-intermediate course, the student continues to develop more advanced linguistic skills and to expand on vocabulary as well as to review previous material. The class is taught in the target language. Students are expected to expand their cultural knowledge. They are also expected to be able to understand and sustain more complex conversation, to formulate more complex question-answer patterns and to begin writing in the target language with coherence and correct grammatical application. Besides daily oral grammatical exercise, students will develop critical thinking skills upon reading and discussing short stories, poems and dramas written in the target language. Students will give brief oral presentations to the class on a variety of topics which may be assigned or of their own choice.

Meets Graduation Requirement: LOTE
Meets UC/CSU “a-g” subject area: e, g

French 4    FREN154
Emphasis is placed on advanced work in all skills. Students read, comment on, criticize and present from authentic language newspaper and magazine articles, broadcasts, videos, films and literary selections. Students will enhance their cultural awareness and appreciation for historical and contemporary society while further refining skills in the target language. The class is conducted in the target language.

Meets Graduation Requirement: LOTE
Meets UC/CSU “a-g” subject area: e, g

German 1    GRMN151
The beginning level course emphasizes the development of communication skills and awareness of cultural differences through materials and activities. Emphasis is placed on listening and speaking skills as well as the initial development of reading and writing. Students are expected to demonstrate their basic cultural knowledge. They should be able to respond spontaneously and orally to simple, real-life conversational cues.

Meets Graduation Requirement: LOTE
Meets UC/CSU “a-g” subject area: e, g

German 2    GRMN152
The intermediate course continues to build upon structures, skills and cultural knowledge developed in the first year. There is continued emphasis on listening and speaking skills. Students begin to use the language to be creative, in both spoken and written formats, and by incorporating and expanding upon learned, high frequency linguistic patterns, which include daily activities, common events, and narrations in the present, past and future tenses.

Meets Graduation Requirement: LOTE
Meets UC/CSU “a-g” subject area: e, g

French 3 Honors   FREN253
In this advanced-intermediate course, the student continues to develop more advance linguistic skills and to expand on vocabulary as well as to review previous material. The class is taught in the target language. Students are expected to expand their cultural knowledge. They are also expected to be able to understand and sustain more complex conversation, to formulate more complex question-answer patterns and to begin writing in the target language with coherence and correct grammatical application. Besides daily oral grammatical exercise, students will develop critical thinking skills upon reading and discussing short stories, poems and
able to understand and sustain more complex conversation, to formulate more complex question-answer patterns and to begin writing in the target language with coherence and correct grammatical application. Besides daily oral grammatical exercise, students will develop critical thinking skills upon reading and discussing short stories, poems and dramas written in the target language. Students will give brief, oral presentations to the class on a variety of topics which may be assigned or of their own choice.

Meets Graduation Requirement: LOTE
Meets UC/CSU “a-g” subject area: e, g

German 4 GRMN154
Emphasis is placed on advanced work in all skills. Students read, comment on, criticize and present from authentic language newspaper and magazine articles, broadcasts, videos, films and literary selections. Students will enhance their cultural awareness and appreciation for historical and contemporary society while further refining skills in the target language. The class is conducted in the target language.

Meets Graduation Requirement: LOTE
Meets UC/CSU “a-g” subject area: e, g

German Honors GRMN250
Emphasis is placed on advanced work in all skills. Students read, comment on, criticize and present from authentic language newspaper and magazine articles, broadcasts, videos, films and literary selections. Students will enhance their cultural awareness and appreciation for historical and contemporary society while further refining skills in the target language. The class is conducted in the target language.

Meets Graduation Requirement: LOTE
Meets UC/CSU “a-g” subject area: e, g

Greek Modern 1 GREK151
The beginning level course emphasizes the development of communication skills and awareness of cultural difference through materials and activities. Emphasis is placed on listening and speaking skills as well as the initial development of reading and writing. Students are expected to demonstrate their basic cultural knowledge. They should be able to respond spontaneously and orally to simple, real life conversational cues.

Meets Graduation Requirement: LOTE
Meets UC/CSU “a-g” subject area: e, g

Greek Modern 2 GREK152
The intermediate course continues to build upon structures, skills and cultural knowledge developed in the first year. There is continued emphasis on listening and speaking skills. Students begin to use the language to be creative, in both spoken and written formats, and by incorporating and expanding upon learned, high frequency linguistic patterns, which include daily activities, common events, and narrations in the present, past and future tenses.

Meets Graduation Requirement: LOTE
Meets UC/CSU “a-g” subject area: e, g

Hebrew 1 HEBW151
The beginning level course emphasizes the development of communication skills and awareness of cultural difference through materials and activities. Emphasis is placed on listening and speaking skills. Students begin to use the language to be creative, in both spoken and written formats, and by incorporating and expanding upon learned, high frequency linguistic patterns, which include daily activities, common events, and narrations in the present, past and future tenses.

Meets Graduation Requirement: LOTE
Meets UC/CSU “a-g” subject area: e, g

Hebrew 2 HEBW152
The intermediate course continues to build upon structures, skills and cultural knowledge developed in the first year. There is continued emphasis on listening and speaking skills. Students begin to use the language to be creative, in both spoken and written formats, and by incorporating and expanding upon learned, high frequency linguistic patterns, which include daily activities, common events, and narrations in the present, past and future tenses.

Meets Graduation Requirement: LOTE
Meets UC/CSU “a-g” subject area: e, g

Hebrew 3 HEBW153
In this advanced-intermediate course, the student continues to develop more advance linguistic skills and to expand on vocabulary as well as to review previous material. The class is taught in the target language. Students are expected to expand their cultural knowledge. They are also expected to be able to understand and sustain more complex conversation, to formulate more complex question-answer patterns and to begin writing in the target language with coherence and correct grammatical application. Besides daily oral grammatical exercise, students will develop critical thinking skills upon reading and discussing short stories, poems and...
dramas written in the target language. Students will give brief, oral presentations to the class on a variety of topics which may be assigned or of their own choice.

**Meets Graduation Requirement:** LOTE

**Meets UC/CSU “a-g” subject area:** e, g

**Hebrew 4  HEBW154**
Emphasis is placed on advanced work in all skills. Students read, comment on, criticize and present from authentic language newspaper and magazine articles, broadcasts, videos, films and literary selections. Students will enhance their cultural awareness and appreciation for historical and contemporary society while further refining skills in the target language. The class is conducted in the target language.

**Meets Graduation Requirement:** LOTE

**Meets UC/CSU “a-g” subject area:** e, g

**Italian 1  ITAL151**
The beginning level course emphasizes the development of communication skills and awareness of cultural difference through materials and activities. Emphasis is placed on listening and speaking skills as well as the initial development of reading and writing. Students are expected to demonstrate their basic cultural knowledge. They should be able to respond spontaneously and orally to simple, real life conversational cues.

**Meets Graduation Requirement:** LOTE

**Meets UC/CSU “a-g” subject area:** e, g

**Italian 2  ITAL152**
The intermediate course continues to build upon structures, skills and cultural knowledge developed in the first year. There is continued emphasis on listening and speaking skills. Students begin to use the language to be creative, in both spoken and written formats, and by incorporating and expanding upon learned, high frequency linguistic patterns, which include daily activities, common events, and narrations in the present, past and future tenses.

**Meets Graduation Requirement:** LOTE

**Meets UC/CSU “a-g” subject area:** e, g

**Italian 3  ITAL153**
In this advanced-intermediate course, the student continues to develop more advance linguistic skills and to expand on vocabulary as well as to review previous material. The class is taught in the target language. Students are expected to expand their cultural knowledge. They are also expected to be able to understand and sustain more complex conversation, to formulate more complex question-answer patterns and to begin writing in the target language with coherence and correct grammatical application. Besides daily oral grammatical exercise, students will develop critical thinking skills upon reading and discussing short stories, poems and dramas written in the target language. Students will give brief, oral presentations to the class on a variety of topics which may be assigned or of their own choice.

**Meets Graduation Requirement:** LOTE

**Meets UC/CSU “a-g” subject area:** e, g

**Italian 3 Honors  ITAL253**
Emphasis is placed on advanced work in all skills. Students read, comment on, criticize and present from authentic language newspaper and magazine articles, broadcasts, videos, films and literary selections. Students will enhance their cultural awareness and appreciation for historical and contemporary society while further refining skills in the target language. The class is conducted in the target language.

**Meets Graduation Requirement:** LOTE

**Meets UC/CSU “a-g” subject area:** e, g

**Italian 4  ITAL154**
Emphasis is placed on advanced work in all skills. Students read, comment on, criticize and present from authentic language newspaper and magazine articles, broadcasts, videos, films and literary selections. Students will enhance their cultural awareness and appreciation for historical and contemporary society while further refining skills in the target language. The class is conducted in the target language.

**Meets Graduation Requirement:** LOTE

**Meets UC/CSU “a-g” subject area:** e, g

**Italian 4 Honors  ITAL254**
The Honors course is an accelerated course designed to prepare students for the Advanced Placement coursework. Students learn to communicate using more complex language structures, and are exposed to the process of writing short descriptive, reflective and interpretive essays. Students further develop their interpersonal, interpretational and presentational language skills within appropriate cultural contexts, and gain a deeper understanding of the perspectives behind cultural practices and products.
Italian Advanced  ITAL450
Emphasis is placed on advanced work in all skills. Students read, comment on, criticize and present from authentic language newspaper and magazine articles, broadcasts, videos, films and literary selections. Students will enhance their cultural awareness and appreciation for historical and contemporary society while further refining skills in the target language.

Meets Graduation Requirement: Elective
Meets UC/CSU “a-g” subject area: e, g

Japanese 1  JAPN151
The beginning level course emphasizes the development of communication skills and awareness of cultural difference through materials and activities. Emphasis is placed on listening and speaking skills as well as the initial development of reading and writing. Students are expected to demonstrate their basic cultural knowledge. They should be able to respond spontaneously and orally to simple, real life conversational cues.

Meets Graduation Requirement: LOTE
Meets UC/CSU “a-g” subject area: e, g

Japanese 2  JAPN152
The intermediate course continues to build upon structures, skills and cultural knowledge developed in the first year. There is continued emphasis on listening and speaking skills. Students begin to use the language to be creative, in both spoken and written formats, and by incorporating and expanding upon learned, high frequency linguistic patterns, which include daily activities, common events, and narrations in the present, past and future tenses.

Meets Graduation Requirement: LOTE
Meets UC/CSU “a-g” subject area: e, g

Japanese 2 Honors  JAPN252
Emphasis is placed on advanced work in all skills. Students read, comment on, criticize and present from authentic language newspaper and magazine articles, broadcasts, videos, films and literary selections. Students will enhance their cultural awareness and appreciation for historical and contemporary society while further refining skills in the target language. The class is conducted in the target language.

Meets Graduation Requirement: LOTE
Meets UC/CSU “a-g” subject area: e, g

Japanese 3  JAPN153
In this advanced-intermediate course, the student continues to develop more advance linguistic skills and to expand on vocabulary as well as to review previous material. The class is taught in the target language. Students are expected to expand their cultural knowledge. They are also expected to be able to understand and sustain more complex conversation, to formulate more complex question-answer patterns and to begin writing in the target language with coherence and correct grammatical application. Besides daily oral grammatical exercise, students will develop critical thinking skills upon reading and discussing short stories, poems and dramas written in the target language. Students will give brief, oral presentations to the class on a variety of topics which may be assigned or of their own choice.

Meets Graduation Requirement: LOTE
Meets UC/CSU “a-g” subject area: e, g

Japanese 3 Honors  JAPN253
The Honors course is an accelerated course designed to prepare students for the Advanced Placement coursework. Students learn to communicate using more complex language structures, and are exposed to the process of writing short descriptive, reflective and interpretive essays. Students further develop their interpersonal, interpretational and presentational language skills within appropriate cultural contexts, and gain a deeper understanding of the perspectives behind cultural practices and products.

Meets Graduation Requirement: LOTE
Meets UC/CSU “a-g” subject area: e, g

Japanese 4  JAPN154
Emphasis is placed on advanced work in all skills. Students read, comment on, criticize and present from authentic language newspaper and magazine articles, broadcasts, videos, films and literary selections. Students will enhance their cultural awareness and appreciation for historical and contemporary society while further refining skills in the target language. The class is conducted in the target language.

Meets Graduation Requirement: LOTE
Meets UC/CSU “a-g” subject area: e, g

Japanese 4 Honors  JAPN254
The Honors course is an accelerated course designed to prepare students for the Advanced Placement coursework. Students learn to communicate using
more complex language structures, and are exposed to the process of writing short descriptive, reflective and interpretive essays. Students further develop their interpersonal, interpretational and presentational language skills within appropriate cultural contexts, and gain a deeper understanding of the perspectives behind cultural practices and products.

**Meets Graduation Requirement:** LOTE
**Meets UC/CSU “a-g” subject area:** e, g

**Korean 1 KORE151**
The beginning level course emphasizes the development of communication skills and awareness of cultural difference through materials and activities. Emphasis is placed on listening and speaking skills as well as the initial development of reading and writing. Students are expected to demonstrate their basic cultural knowledge. They should be able to respond spontaneously and orally to simple, real life conversational cues.

**Meets Graduation Requirement:** LOTE
**Meets UC/CSU “a-g” subject area:** e, g

**Korean 2 KORE152**
The intermediate course continues to build upon structures, skills and cultural knowledge developed in the first year. There is continued emphasis on listening and speaking skills. Students begin to use the language to be creative, in both spoken and written formats, and by incorporating and expanding upon learned, high frequency linguistic patterns, which include daily activities, common events, and narrations in the present, past and future tenses.

**Meets Graduation Requirement:** LOTE
**Meets UC/CSU “a-g” subject area:** e, g

**Korean 3 KORE153**
In this advanced-intermediate course, the student continues to develop more advance linguistic skills and to expand on vocabulary as well as to review previous material. The class is taught in the target language. Students are expected to expand their cultural knowledge. They are also expected to be able to understand and sustain more complex conversation, to formulate more complex question-answer patterns and to begin writing in the target language with coherence and correct grammatical application. Besides daily oral grammatical exercise, students will develop critical thinking skills upon reading and discussing short stories, poems and dramas written in the target language. Students will give brief, oral presentations to the class on a variety of topics which may be assigned or of their own choice.

**Meets Graduation Requirement:** LOTE
**Meets UC/CSU “a-g” subject area:** e, g

**Korean 4 KORE154**
Emphasis is placed on advanced work in all skills. Students read, comment on, criticize and present from authentic language newspaper and magazine articles, broadcasts, videos, films and literary selections. Students will enhance their cultural awareness and appreciation for historical and contemporary society while further refining skills in the target language. The class is conducted in the target language.

**Meets Graduation Requirement:** LOTE
**Meets UC/CSU “a-g” subject area:** e, g

**Latin 1 LATN151**
The beginning level course emphasizes the development of communication skills and awareness of cultural difference through materials and activities. Emphasis is placed on listening and speaking skills as well as the initial development of reading and writing. Students are expected to demonstrate their basic cultural knowledge. They should be able to respond spontaneously and orally to simple, real life conversational cues.

**Meets Graduation Requirement:** LOTE
**Meets UC/CSU “a-g” subject area:** e, g

**Latin 2 LATN152**
The intermediate course continues to build upon structures, skills and cultural knowledge developed in the first year. There is continued emphasis on listening and speaking skills. Students begin to use the language to be creative, in both spoken and written formats, and by incorporating and expanding upon learned, high frequency linguistic patterns, which include daily activities, common events, and narrations in the present, past and future tenses.

**Meets Graduation Requirement:** LOTE
**Meets UC/CSU “a-g” subject area:** e, g

**Latin 3 LATN153**
In this advanced-intermediate course, the student continues to develop more advance linguistic skills and to expand on vocabulary as well as to review previous material. The class is taught in the target language. Students are expected to expand their cultural knowledge. They are also expected to be able to understand and sustain more complex conversation, to formulate more complex question-
answer patterns and to begin writing in the target language with coherence and correct grammatical application. Besides daily oral grammatical exercise, students will develop critical thinking skills upon reading and discussing short stories, poems and dramas written in the target language. Students will give brief, oral presentations to the class on a variety of topics which may be assigned or of their own choice.  

Meets Graduation Requirement: LOTE  
Meets UC/CSU “a-g” subject area: e, g  

Latin 4  LATN154  
Emphasis is placed on advanced work in all skills. Students read, comment on, criticize and present from authentic language newspaper and magazine articles, broadcasts, videos, films and literary selections. Students will enhance their cultural awareness and appreciation for historical and contemporary society while further refining skills in the target language. The class is conducted in the target language.  

Meets Graduation Requirement: LOTE  
Meets UC/CSU “a-g” subject area: e, g  

LOTE Lab  LOTL150  
Students continue to learn world language in a lab setting.  

Meets Graduation Requirement: Elective  
Meets UC/CSU “a-g” subject area: n/a  

Russian 1  RUSN151  
The beginning level course emphasizes the development of communication skills and awareness of cultural differences through materials and activities. Emphasis is placed on listening and speaking skills as well as the initial development of reading and writing. Students are expected to demonstrate their basic cultural knowledge. They should be able to respond spontaneously and orally to simple, real life conversational cues.  

Meets Graduation Requirement: LOTE  
Meets UC/CSU “a-g” subject area: e, g  

Russian 2  RUSN152  
The intermediate course continues to build upon structures, skills and cultural knowledge developed in the first year. There is continued emphasis on listening and speaking skills. Students begin to use the language to be creative, in both spoken and written formats, and by incorporating and expanding upon learned, high frequency linguistic patterns, which include daily activities, common events, and narrations in the present, past and future tenses.  

Meets Graduation Requirement: LOTE  
Meets UC/CSU “a-g” subject area: e, g  

Russian 3  RUSN153  
In this advanced-intermediate course, the student continues to develop more advance linguistic skills and to expand on vocabulary as well as to review previous material. The class is taught in the target language. Students are expected to expand their cultural knowledge. They are also expected to be able to understand and sustain more complex conversation, to formulate more complex question-answer patterns and to begin writing in the target language with coherence and correct grammatical application. Besides daily oral grammatical exercise, students will develop critical thinking skills upon reading and discussing short stories, poems and dramas written in the target language. Students will give brief, oral presentations to the class on a variety of topics which may be assigned or of their own choice.  

Meets Graduation Requirement: LOTE  
Meets UC/CSU “a-g” subject area: e, g  

Russian 4  RUSN154  
Emphasis is placed on advanced work in all skills. Students read, comment on, criticize and present from authentic language newspaper and magazine articles, broadcasts, videos, films and literary selections. Students will enhance their cultural awareness and appreciation for historical and contemporary society while further refining skills in the target language. The class is conducted in the target language.  

Meets Graduation Requirement: LOTE  
Meets UC/CSU “a-g” subject area: e, g  

Russian 4 Honors  RUSN 254  
Emphasis is placed on advanced work in all skills. Students read, comment on, criticize and present from authentic language newspaper and magazine articles, broadcasts, videos, films and literary selections. Students will enhance their cultural awareness and appreciation for historical and contemporary society while further refining skills in the target language. The class is conducted in the target language.  

Meets Graduation Requirement: LOTE  
Meets UC/CSU “a-g” subject area: e, g  

Spanish 1  SPAN151  
The beginning level course emphasizes the
development of communication skills and awareness of cultural difference through materials and activities. Emphasis is placed on listening and speaking skills as well as the initial development of reading and writing. Students are expected to demonstrate their basic cultural knowledge. They should be able to respond spontaneously and orally to simple, real life conversational cues.

**Meets Graduation Requirement:** LOTE
**Meets UC/CSU “a-g” subject area:** e, g

**Spanish 1 Honors**  SPAN251
The beginning level course emphasizes the development of communication skills and awareness of cultural difference through materials and activities. Emphasis is placed on listening and speaking skills as well as the initial development of reading and writing. Students are expected to demonstrate their basic cultural knowledge. They should be able to respond spontaneously and orally to simple, real life conversational cues.

**Meets Graduation Requirement:** LOTE
**Meets UC/CSU “a-g” subject area:** e, g

**Spanish 2**  SPAN152
The intermediate course continues to build upon structures, skills and cultural knowledge developed in the first year. There is continued emphasis on listening and speaking skills. Students begin to use the language to be creative, in both spoken and written formats, and by incorporating and expanding upon learned, high frequency linguistic patterns, which include daily activities, common events, and narrations in the present, past and future tenses.

**Meets Graduation Requirement:** LOTE
**Meets UC/CSU “a-g” subject area:** e, g

**Spanish 2 Honors**  SPAN252
The intermediate course continues to build upon structures, skills and cultural knowledge developed in the first year. There is continued emphasis on listening and speaking skills. Students begin to use the language to be creative, in both spoken and written formats, and by incorporating and expanding upon learned, high frequency linguistic patterns, which include daily activities, common events, and narrations in the present, past and future tenses.

**Meets Graduation Requirement:** LOTE
**Meets UC/CSU “a-g” subject area:** e, g

**Spanish 3**  SPAN153
In this advanced-intermediate course, the student continues to develop more advance linguistic skills and to expand on vocabulary as well as to review previous material. The class is taught in the target language. Students are expected to expand their cultural knowledge. They are also expected to be able to understand and sustain more complex conversation, to formulate more complex question-answer patterns and to begin writing in the target language with coherence and correct grammatical application. Besides daily oral grammatical exercise, students will develop critical thinking skills upon reading and discussing short stories, poems and dramas written in the target language. Students will give brief, oral presentations to the class on a variety of topics which may be assigned or of their own choice.

**Meets Graduation Requirement:** LOTE
**Meets UC/CSU “a-g” subject area:** e, g

**Spanish 3 Honors**  SPAN253
In this advanced-intermediate course, the student continues to develop more advance linguistic skills and to expand on vocabulary as well as to review previous material. The class is taught in the target language. Students are expected to expand their cultural knowledge. They are also expected to be able to understand and sustain more complex conversation, to formulate more complex question-answer patterns and to begin writing in the target language with coherence and correct grammatical application. Besides daily oral grammatical exercise, students will develop critical thinking skills upon reading and discussing short stories, poems and dramas written in the target language. Students will give brief, oral presentations to the class on a variety of topics which may be assigned or of their own choice.

**Meets Graduation Requirement:** LOTE
**Meets UC/CSU “a-g” subject area:** e, g

**Spanish 4**  SPAN154
Emphasis is placed on advanced work in all skills. Students read, comment on, criticize and present from authentic language newspaper and magazine articles, broadcasts, videos, films and literary selections. Students will enhance their cultural awareness and appreciation for historical and contemporary society while further refining skills in the target language. The class is conducted in the target language.

**Meets Graduation Requirement:** LOTE
**Meets UC/CSU “a-g” subject area:** e, g
Spanish Language Arts 1  SPLA181
This course emphasizes the fundamental language skills of reading, writing, speaking, listening, thinking, viewing and presenting in Spanish. An emphasis on vocabulary and composition skills will be an on-going part of the program. The course includes studies of various literary genres: short story, poetry, novel, drama, and non-fiction. The development of critical reading and writing skills is a major emphasis of the course.
Meets Graduation Requirement: LOTE
Meets UC/CSU “a-g” subject area: e, g

Spanish Language Arts 2  SPLA182
Students continue to learn the language skills of reading, writing, speaking, listening, thinking, viewing and presenting in Spanish. An emphasis on vocabulary and composition skills will be an on-going part of the program. The course includes studies of various literary genres: short story, poetry, novel, drama, and non-fiction. The development of critical reading and writing skills is a major emphasis of the course.
Meets Graduation Requirement: LOTE
Meets UC/CSU “a-g” subject area: e, g

Spanish Language Arts 3  SPLA183
Students continue to learn the language skills of reading, writing, speaking, listening, thinking, viewing and presenting in Spanish. An emphasis on vocabulary and composition skills will be an on-going part of the program. The course includes studies of various literary genres: short story, poetry, novel, drama, and non-fiction. The development of critical reading and writing skills is a major emphasis of the course.
Meets Graduation Requirement: LOTE
Meets UC/CSU “a-g” subject area: e, g

Spanish Language Arts 4  SPLA184
Students continue to learn the language skills of reading, writing, speaking, listening, thinking, viewing and presenting in Spanish. An emphasis on vocabulary and composition skills will be an on-going part of the program. The course includes studies of various literary genres: short story, poetry, novel, drama, and non-fiction. The development of critical reading and writing skills is a major emphasis of the course.
Meets Graduation Requirement: LOTE
Meets UC/CSU “a-g” subject area: e, g

Spanish Native 1  SPAN155
The beginning level course emphasizes the development of communication skills and awareness of cultural difference through materials and activities. Emphasis is placed on listening and speaking skills as well as the initial development of reading and writing. Students are expected to demonstrate their basic cultural knowledge. They should be able to respond spontaneously and orally to simple, real life conversational cues.
Meets Graduation Requirement: LOTE
Meets UC/CSU “a-g” subject area: e, g

Spanish Native 2  SPAN156
The intermediate course continues to build upon structures, skills and cultural knowledge developed in the first year. There is continued emphasis on listening and speaking skills. Students begin to use the language to be creative, in both spoken and written formats, and by incorporating and expanding upon learned, high frequency linguistic patterns, which include daily activities, common events, and narrations in the present, past and future tenses.
Meets Graduation Requirement: LOTE
Meets UC/CSU “a-g” subject area: e, g

Spanish Native 3  SPAN157
In this advanced-intermediate course, the student continues to develop more advance linguistic skills and to expand on vocabulary as well as to review previous material. The class is taught in the target language. Students are expected to expand their cultural knowledge. They are also expected to be able to understand and sustain more complex conversation, to formulate more complex question-answer patterns and to begin writing in the target language with coherence and correct grammatical application. Besides daily oral grammatical exercise, students will develop critical thinking skills upon reading and discussing short stories, poems and dramas written in the target language. Students will give brief, oral presentations to the class on a variety of topics which may be assigned or of their own choice.
Meets Graduation Requirement: LOTE
Meets UC/CSU “a-g” subject area: e, g

Spanish Native 4  SPAN158
Emphasis is placed on advanced work in all skills. Students read, comment on, criticize and present from authentic language newspaper and magazine articles, broadcasts, videos, films and literary selections. Students will enhance their cultural
awareness and appreciation for historical and contemporary society while further refining skills in the target language. The class is conducted in the target language.

**Meets Graduation Requirement:** LOTE  
**Meets UC/CSU “a-g” subject area:** e, g

**Vietnamese 1 VIE151**  
This class is taught in Vietnamese. Students are expected to learn to communicate in the target language by using the three modes of communication (interpersonal, interpretive, and presentational). Students will be able to communicate in the target language rather than merely to show knowledge about the language. This beginning course emphasizes the development of communication skills and the awareness of target-language cultures through the activities and materials used to develop the language skills. Learners are provided language-use activities that enable them to: “function in common daily settings for which they have rehearsed [contexts]; "understand learned words and phrases in authentic texts (interpretive mode) [receptive functions]; "produce learned words and phrases (presentational mode) [productive functions]; "deal with discrete elements of life [content]; "comprehend and produce oral and written words and phrases [text-types]; "comprehend and be understood by highly-sympathetic natives (interpersonal and presentational mode) [accuracy]. (2005, California Foreign Language Project, Zaslow).

**Meets Graduation Requirement:** LOTE  
**Meets UC/CSU “a-g” subject area:** e, g

**Vietnamese Native 2 VIE152**  
This class is taught in Vietnamese. Students are expected to learn to communicate in the target language by using the three modes of communication (interpersonal, interpretive, and presentational). Students will be able to communicate in the target language rather than merely to show knowledge about the language. This beginning course emphasizes the development of communication skills and the awareness of target-language cultures through the activities and materials used to develop the language skills. Learners are provided language-use activities that enable them to: “function in common daily settings for which they have rehearsed [contexts]; "understand learned words and phrases in authentic texts (interpretive mode) [receptive functions]; "produce learned words and phrases (presentational mode) [productive functions]; "deal with discrete elements of life [content]; "comprehend and produce oral and written words and phrases [text-types]; "comprehend and be understood by highly-sympathetic natives (interpersonal and presentational mode) [accuracy]. (2005, California Foreign Language Project, Zaslow).

**Meets Graduation Requirement:** LOTE  
**Meets UC/CSU “a-g” subject area:** e, g

**Visual and Performing Arts**

**Advanced Art Honors ARTT250**  
This is an advanced course for students who have serious interest in art. The content continues the development of competence in drawing skills and in appropriate techniques and approaches to painting, and also allows students to work in the medium of their choice.

**Meets Graduation Requirement:** Arts  
**Meets UC/CSU “a-g” subject area:** f, g

**Animation 1 ANIM151**  
In this course students learn the fundamental principles of traditional 2D animation through a
series of character based exercises that lead up to full digital production techniques for animating, compositing, video editing and audio recording. Students work as individuals and in production teams and learn a wide range of software, as well as file and project management. Students create a portfolio of their first year work that is developed further in the second year of the course.

Meets Graduation Requirement: Arts
Meets UC/CSU “a-g” subject area: f, g

Animation 2  ANIM152
In the second year of the Animation course students learn advance production skills with an emphasis on motion graphics design and visual communications. Production teams work together to produce a series of animations of increased complexity with a focus on topics ranging from social issues to business and marketing. Students continue to develop and add to their portfolio.

Meets Graduation Requirement: Arts
Meets UC/CSU “a-g” subject area: f, g

AP Art History  ARTH350
The student prepares for the Advanced Placement examination in this subject. Through a chronological survey of western art, the course will cover architecture, painting, sculpture, arts and crafts. AP Art History is designed to provide the same benefits to secondary school students as those provided by an introductory college course in art history. In the course, students examine major forms of artistic expression from the ancient world to the present and from a variety of cultures. They learn to look and analyze works of art within their historical context, and to articulate what they see or experience in a meaningful way. A meaningful way to experience works of art is learning to frame an understanding that relates how and why works of art communicate visual meaning. An introductory college art history course content generally covers the various art forms in the following proportions: 40-50% painting and drawing, 25% architecture, 25% sculpture, and 5-10% other media (printmaking, photography, ceramics, fiber arts, etc.). The AP Art History course content and AP Examination reflect these distributions.

Meets Graduation Requirement: Arts
Meets UC/CSU “a-g” subject area: f, g

AP Music Theory  MUST350
This Advanced Placement course is an in-depth study of the structure of music with respect to musical notation, melody, harmony, rhythm, meter, and texture. Students must be prepared to study all major/minor scales and modes including all key signatures. In addition, students will apply themselves to analysis of musical scores identifying harmonic intervals, chord structure, chord inversions and chord progressions. Students will learn sight singing, dictation and other ear training skills. The scope of this course will be to seek mastery of the elements and properties of music including an in-depth study of intervals, scales, chords, metric/rhythmic patterns, aural, analytical, compositional and orchestration skills. Students will become familiar with the many forms and styles of music. In addition, students will create melodies, write for four or more parts in styles of the past through the present. Students will be encouraged to listen to musical works attentively and analytically, developing their "musical memory" and their responsiveness to the forma, stylistic, and other aesthetic qualities of all types of music of this country and countries around the world. Students will be prepared to take the Advanced Placement Exam for "Music Theory".

Meets Graduation Requirement: Arts
Meets UC/CSU “a-g” subject area: f, g

AP Studio Art: 2-D Design  ARTT352
This course meets College Board Advanced Placement requirements. It enables students to develop proficiency in two-dimensional design using a variety of art forms. These could include, but are not limited to, graphic design, typography, digital imaging, photography, collage, fabric design, weaving, illustration, painting, printmaking, etc. Students acquire depth and breadth of understanding of the principles and elements of art as they develop quality artwork, focus on an area of concentration, and work in a variety of two-dimensional art forms and techniques. Students develop a portfolio to be submitted for advanced placement credit.

Meets Graduation Requirement: Arts
Meets UC/CSU “a-g” subject area: f, g

AP Studio Art: 3-D Design  ARTT353
The Advanced Placement Program in Studio Art: 3-D Design is a performance-based visual exam. Each student develops and submits a portfolio that serves as a direct demonstration of achievement. The term "3-D Design" is used very broadly; a wide range of work can fit into this portfolio. Logically, work that is submitted for this portfolio will explore depth and...
space -- that is, the issues of working in three dimensions. Content, style, and process are completely open. Whatever direction the student chooses, the work should address such issues as mass, volume, form. Any three-dimensional medium may be used for this portfolio.

Meets Graduation Requirement: Arts
Meets UC/CSU “a-g” subject area: f, g

AP Studio Art: 3-D Design A  ARTT350A
The Advanced Placement Program in Studio Art: 3-D Design is a performance-based visual exam. Each student develops and submits a portfolio that serves as a direct demonstration of achievement. The term "3-D Design" is used very broadly; a wide range of work can fit into this portfolio. Logically, work that is submitted for this portfolio will explore depth and space -- that is, the issues of working in three dimensions. Content, style, and process are completely open. Whatever direction the student chooses, the work should address such issues as mass, volume, form. Any three-dimensional medium may be used for this portfolio.

Meets Graduation Requirement: Arts
Meets UC/CSU “a-g” subject area: f, g

AP Studio Art: Drawing  ARTD350
The Advanced Placement Program in Studio Art: Drawing is a performance-based visual exam. Each student develops and submits a portfolio that serves as a direct demonstration of achievement. The term "drawing" is used very broadly; all sorts of art that involves directly making marks on a surface can fit into this portfolio. This includes not only work in traditional drawing media -- such as pencils, ink, and pastels -- but also many kinds of painting, printmaking, and other forms of expression. In the Drawing portfolio, mastery of drawing can be demonstrated through a wide range of approaches and media. Light and shade, line quality, rendering of form, composition, surface manipulation, and the illusion of depth are drawing issues that can be addressed through a variety of means, which could include painting, printmaking, mixed media, etc. Abstract, observational, and inventive works may be submitted. The range of marks used to make drawings, the arrangement of the marks, and the materials used to make the marks are endless.

Meets Graduation Requirement: Arts
Meets UC/CSU “a-g” subject area: f, g

AP Studio Art: Drawing A  DRAW350A
The AP Studio Art course is for students interested in a rigorous and focused study in art. Students will develop a quality portfolio that demonstrates a mastery of concept, composition and execution. This course is based on a student creating a body of work that demonstrates quality, concentration and breadth. This portfolio will be submitted to the College Board for college credit. As in any college level course students will be expected to spend a considerable amount of time outside of class in order to complete assignments and doing homework and sketchbook assignments.

Meets Graduation Requirement: Arts
Meets UC/CSU “a-g” subject area: g

AP Studio Art: Drawing B  DRAW350B
The AP Studio Art course is for students interested in a rigorous and focused study in art. Students will develop a quality portfolio that demonstrates a mastery of concept, composition and execution. This course is based on a student creating a body of work that demonstrates quality, concentration and breadth. This portfolio will be submitted to the College Board for college credit. As in any college level course students will be expected to spend a considerable amount of time outside of class in order to complete assignments and doing homework and sketchbook assignments.

Meets Graduation Requirement: Arts
Meets UC/CSU “a-g” subject area: g

Architectural Design B  ADES150B
This introductory course in Architectural Design is designed to develop fundamental skills in drawing, mechanical and freehand, visualization, orientation and rotation of objects along with standard visual communication techniques. Students learn the basics of architectural design, drafting, auto-CAD, rendering and planning. Students acquire an understanding of the progressions of architecture, engineer, designer, draftsperson, and the roles each play in the design, planning and building process as it relates to the construction industry. They will learn to express their ideas through freehand drawing, mechanical drawing, rendering, and computer graphics.

Meets Graduation Requirement: Arts
Meets UC/CSU “a-g” subject area: f, g

Art  ARTT150
This basic course in the fundamentals of art expression includes experiences in drawing, painting, two and three dimensional design and art appreciation. Projects include drawing, painting,
clay, lettering, printing and much more. A basic art class that introduces the beginning artist to a variety of art techniques, methods, and concepts that will promote creative expression. Students will learn to appreciate the efforts and work ethics of others. Students will be instructed in the art forms of several cultures including historical impacts and contributions.

**Meets Graduation Requirement:** Arts
**Meets UC/CSU “a-g” subject area:** f, g

**Art Advanced** ARTT450
This is an advanced course for students who have serious interest in art. The content continues the development of competence in drawing skills and in appropriate techniques and approaches to painting, and also allows students to work in the medium of their choice.

**Meets Graduation Requirement:** Arts
**Meets UC/CSU “a-g” subject area:** f, g

**Art History** ARTH150
This is a study of the history and appreciation of art including architecture, painting and related arts. The course stresses the relationship of art to social, political and historical development.

**Meets Graduation Requirement:** Arts
**Meets UC/CSU “a-g” subject area:** f, g

**Art In Architecture** A AARC151A
This course considers the social, aesthetic and physical factors (people, form, light, climate, color, and available materials) involved in designing structures for human needs. The course stresses the use of the classroom as an area in which the instructor and the students collaborate in the process design and criticism.

**Meets Graduation Requirement:** Arts
**Meets UC/CSU “a-g” subject area:** f, g

**Art In Architecture Advanced** A AARC452A
This advanced course is designed to continue the study of social, aesthetic and physical factors (people, forms, light, climate and available materials) involved in the design of structures for human needs. The course stresses the use of the classroom as an area in which the instructor and the students collaborate in the process of design and criticism.

**Meets Graduation Requirement:** Arts
**Meets UC/CSU “a-g” subject area:** f, g

**Art Introduction** ARTI650
This basic course in the fundamentals of art expression includes experiences in drawing, painting, two and three dimensional design and art appreciation. Projects include drawing, painting, clay, lettering, printing and much more. A basic art class that introduces the beginning artist to a variety of art techniques, methods, and concepts that will promote creative expression. Students will learn to appreciate the efforts and work ethics of others. Students will be instructed in the art forms of several cultures including historical impacts and contributions.

**Meets Graduation Requirement:** Arts
**Meets UC/CSU “a-g” subject area:** g

**Band 1** BAND151
Instruction will be given to students interested in becoming acquainted with Wind and Percussion instruments. Space is available for two students interested in Electric Guitar and Electric Bass. Students will be assisted in learning all aspects of producing a sound on a musical instrument along with music reading, music theory, selected historical and cultural contributions.

**Meets Graduation Requirement:** Arts
**Meets UC/CSU “a-g” subject area:** f, g

**Band 2** BAND152
Continuing music students will perfect all music skills learned in the lower grades. Continuing instruction will be given in music reading, music theory, and selected historical and cultural contributions. Students will perform more advanced music and are expected to attend all scheduled performances.

**Meets Graduation Requirement:** Arts
**Meets UC/CSU “a-g” subject area:** f, g

**Band 3** BAND153
Continuing music students will master technical skills on their respective instruments as well as reading and writing music notation. Emphasis will be placed on interpretation and phrasing, historical and multicultural contributions. Through the performance of a variety of music literature, styles and forms of music will be discussed and evaluated. Continuing instruction will be given in music theory and in listening to music. Students are expected to attend all scheduled performances.

**Meets Graduation Requirement:** Arts
**Meets UC/CSU “a-g” subject area:** f, g

**Basic Interior Design** INTD150
Students will gain an understanding of the elements and principles of design. Students will learn to make
appropriate selections of colors, fabrics, furnishings, lighting, and furniture. The students will develop skills in architectural drafting and space planning. Class projects include designing sample rooms and designing floor plans. Exposure to career opportunities will be made through speakers and/or field trips.

**Meets Graduation Requirement:** Arts
**Meets UC/CSU “a-g” subject area:** n/a

**Calligraphy CALL150**
Students with the study of skeleton letters and the Black Letter hand. After working in pencil, students progress to pen and ink. Students learn how to find the correct x height for each hand using the width of the pen nibs. Using triangles, t-squares, and protractors, they rule out their own practice sheets and find the correct pen angle for each hand.

**Meets Graduation Requirement:** Arts
**Meets UC/CSU “a-g” subject area:** n/a

**Calligraphy Advanced CALL450**
Students continue to advance calligraphy skills by producing a lettered page in Black Letter, with illuminated block letters at the beginning of each verse incorporating two colors plus black. Students are also asked to add an illustration related to the verse to fit around the lettering. They are evaluated on the letterforms, letter spacing, and number of mistakes as well the overall beauty of the page.

**Meets Graduation Requirement:** Arts
**Meets UC/CSU “a-g” subject area:** n/a

**Ceramics CERA150**
This course offers exploratory work in ceramic design and provides experience with techniques for the construction and surface decoration of clay. Experiences include direct clay modeling, slab building, and coil construction after developing some skills. Students are encouraged to develop their own projects.

**Meets Graduation Requirement:** Arts
**Meets UC/CSU “a-g” subject area:** f, g

**Ceramics Advanced CERA450**
This course extends the skills developed in first-year ceramics with increasing emphasis in the areas of wheel throwing (pots, closed-forms, sectionals, repeated forms, mound throwing, lid-forms, sculptured pottery, amphoras, vases and bowls), firing techniques (raku, kiln loading and unloading for bisque and glaze firing), glazing techniques, and sculpture forms from clay. Prerequisite: Ceramics 1-2

**Meets Graduation Requirement:** Arts
**Meets UC/CSU “a-g” subject area:** f, g

**Chamber Choir CHAM150**
This advanced choral ensemble provides advanced instruction in vocal production techniques, advanced music theory and advanced sight-singing skills. Several public performances will be given during the school year requiring after school rehearsals and concerts.

**Meets Graduation Requirement:** Arts
**Meets UC/CSU “a-g” subject area:** f, g

**Computer Art 1 CART151**
Students learn communication skills with web-based technologies. Students will become proficient with Photoshop, HTML, CSS, Dreamweaver and Flash, and have a higher-level understanding of color and design for computer screen (RGB, Hexadecimal). In creating web-based finished products, students will gain skills in inquiry-based learning, project management, teamwork and problem solving. Students are also exposed to aesthetic valuing and creative communication.

**Meets Graduation Requirement:** Arts
**Meets UC/CSU “a-g” subject area:** f, g

**Computer Art 2 CART152**
Students learn communication skills with web-based technologies. Students will become proficient with Photoshop, HTML, CSS, Dreamweaver and Flash, and have a higher-level understanding of color and design for computer screen (RGB, Hexadecimal). In creating web-based finished products, students will gain skills in inquiry-based learning, project management, teamwork and problem solving. Students are also exposed to aesthetic valuing and creative communication.

**Meets Graduation Requirement:** Arts
**Meets UC/CSU “a-g” subject area:** f, g

**Dance 1 DANC151**
Basic techniques of ballet, modern and jazz dance is taught. Students develop poise, strength, flexibility, coordination, rhythm and creativity.

**Meets Graduation Requirement:** Arts
**Meets UC/CSU “a-g” subject area:** f, g

**Dance 2 DANC152**
Further techniques of ballet, modern and jazz dance are taught with emphasis on creating and performing for school assemblies, special performances, and other school activities.
Dance 3  DANC153
Students become highly skilled in any or all of the techniques to the maximum of their abilities with emphasis on creating and performing.
Meets Graduation Requirement: Arts
Meets UC/CSU “a-g” subject area: f, g

Dance Production  DPRD150
This is a standards-based, dance performance and composition class open to students who successfully complete the audition process. This process includes demonstration, verbalization, and identification of dance movements/terminology, as well as a composition component. Dance Production is designed for serious students of intermediate/advanced technical ability and includes the study of various dance disciplines. Students achieve advanced proficiency in these standards though technique training, student choreography projects, development of stage presence and performance opportunities. Students will compose and/or perform as individuals and as members of small and large ensembles.
Meets Graduation Requirement: Arts
Meets UC/CSU “a-g” subject area: f, g

Design  DSGN150
Students learn design basics and are prepared to flexibly collaborate with other design disciplines involving technology, user experience, and creative problem solving as they complete professional level projects.
Meets Graduation Requirement: Arts
Meets UC/CSU “a-g” subject area: f, g

Drama  DRMA150
Students study drama as a performing art, an academic discipline, an aesthetic experience and a craft. Through exercises in emotional response, body movement, and oral interpretation, students experience basic acting techniques as well as acquire technical knowledge of stage movement, basic makeup, and basic costuming. This course is designed to introduce students to the fundamentals of acting. Students will gain experience as performers through mime, stage movement, improvisation, building a character and acting in scenes from selected plays. Students will study the origins of Theater Art, from Pre-History to Post Modern.

Drama Advanced  DRMA450
This course continues to develop theater skills for students who have passed Drama 1 or who have the consent of the instructor to be in Advanced Drama. More intense exercises are included in each of the areas covered in Drama 1. Particular emphasis is placed on physical warm-ups, stage movement, more accurate pantomime, concentration and believability exercises, more extensive character and dialogue work, longer scene studies, and some writing of students' own scenes. Students perform more in this class than in Drama 1. This course is designed for students with a strong interest in Drama. This course will incorporate the elements of reading, research and writing, as well as mastering the techniques learned in Drama 1. The students will gain extensive experience in scene study. The course begins with Greek scenes and moves forward in history that represent, Medieval, Renaissance, Restoration, Romantic, Modern and Contemporary. Also included are scenes that represent, Chinese, Japanese, Latin American and African American theater among others. Students will research "isms" in theater, such as, Expressionism, Symbolism, Realism, Theatricalism and Absurdism. Students will direct a scene that represents that style of theater. A major production will come from this class in the spring semester. A portfolio will be kept for each student which reflects the quality of their work.
Meets Graduation Requirement: Arts
Meets UC/CSU “a-g” subject area: f, g

Drama Production  DRMP150
Meets Graduation Requirement: Arts
Meets UC/CSU “a-g” subject area: f, g

Draw/Paint Lab  DRPL150
Students spend lab time working on independent projects.
Meets Graduation Requirement: Arts
Meets UC/CSU “a-g” subject area: g

Drawing  DRAW150
Students express themselves realistically through subjects such as figure drawing, portraits, animals, and perspective. Techniques include pencil rendering, pen and ink, charcoal, crayon and pastel. The student will be acquainted with the possibilities inherent in the use of graphic media utilizing a
variety of drawing skills and equipment. Students will learn to appreciate the efforts and work ethics of others. Students will be instructed in art forms of several cultures including historical impacts and contributions.

**Meets Graduation Requirement:** Arts  
**Meets UC/CSU “a-g” subject area:** f, g

**Drawing - Intermediate**  
**DRAW151**  
Students express themselves realistically through subjects such as figure drawing, portraits, animals, and perspective. Techniques include pencil rendering, pen and ink, charcoal, crayon and pastel. The student will be acquainted with the possibilities inherent in the use of graphic media utilizing a variety of drawing skills and equipment. Students will learn to appreciate the efforts and work ethics of others. Students will be instructed in art forms of several cultures including historical impacts and contributions.

**Meets Graduation Requirement:** Arts  
**Meets UC/CSU “a-g” subject area:** f, g

**Drawing Advanced**  
**DRAW450**  
Continuing students will master the techniques learned in Drawing 1 along with advanced media and technical applications. Further study is required into art history and multicultural influences as it relates to art, mankind and society with more emphasis on critical thinking, personal observations and research.

**Meets Graduation Requirement:** Arts  
**Meets UC/CSU “a-g” subject area:** f, g

**Drawing/Painting 1**  
**DRPT151**  
This course is an introduction to design and composition; students use a variety of art media such as pencil, charcoal, conte crayon, pen and ink, tempera, watercolor, and acrylic. Introductory material This course is an introduction to design and composition; students use a variety of art media such as pencil, charcoal, conte crayon, pen and ink, tempera, watercolor, and acrylic. Introductory material covers theory of line, color, texture, the elements of design, and the principles of composition. Student projects include drawing, painting, printmaking, and design. Various schools of art, styles, and artists, past and present, are discussed. Students are encouraged to exercise self-expression in their art. Students will learn the relationship of drawing and painting to other art forms and receive an overview of careers in art and related fields. Students will develop critical assessment skills by applying what they learn to self and peer evaluation of their art projects.

**Meets Graduation Requirement:** Arts  
**Meets UC/CSU “a-g” subject area:** f, g

**Drawing/Painting 2**  
**DRPT152**  
This course is designed for students who have successfully completed Drawing, Painting 1. It builds upon and expands the knowledge and skills acquired in Drawing, Painting 1; it also applies the principles of color, design, and composition through drawing and painting assignments.

**Meets Graduation Requirement:** Arts  
**Meets UC/CSU “a-g” subject area:** f, g

**Drawing/Painting 3**  
**DRPT153**  
This course is designed for students who have successfully completed Drawing, Painting 2. It builds upon and expands the knowledge and skills acquired in Drawing, Painting 2; it also applies the principles of color, design, and composition through drawing and painting assignments.

**Meets Graduation Requirement:** Arts  
**Meets UC/CSU “a-g” subject area:** f, g

**Forensic Performance**  
**FORS150**  
This course is a detailed study of forensic speaking including extemporaneous speaking, oration, and interpretation of literature, and debate. There is an emphasis on understanding various forensic speaking formats and the importance of applying reasoning, research and delivery skills. Critical thinking is a major component of this course.

**Meets Graduation Requirement:** Elective  
**Meets UC/CSU “a-g” subject area:** g

**Graphic Arts**  
**GRPH150**  
Students learn a variety of computer design programs as well as the ability to draw freehand illustrations. Students develop understanding of the basic principles of drafting, design, space development, measurement as well as intuitive skills necessary in the design field.

**Meets Graduation Requirement:** Arts  
**Meets UC/CSU “a-g” subject area:** g

**Guitar 1**  
**GUIT151**  
Students will be instructed in learning all aspects of producing a sound on the Acoustical Guitar along with music reading, music theory, and selected historical and cultural contributions.

**Meets Graduation Requirement:** Arts  
**Meets UC/CSU “a-g” subject area:** f, g
Guitar 2  GUIT152
Continuing instruction will be given in music reading, music theory and selected historical and cultural contributions. A variety of music will be performed.
Meets Graduation Requirement: Arts
Meets UC/CSU “a-g” subject area: f, g

Guitar 3  GUIT153
Continuing Guitar students will master technical skills learned in the lower level Guitar classes. Emphasis will be placed on rhythmic and lead guitar playing, interpretation and phrasing as well as historical and multicultural contributions. Through the performance of a variety of music literature, styles and forms of music will be discussed and evaluated. Continuing instruction will be given in music theory and listening to music.
Meets Graduation Requirement: Arts
Meets UC/CSU “a-g” subject area: f, g

Instrumental Lab 1  INST151
This advanced performance lab focuses on technique and genre.
Meets Graduation Requirement: Arts
Meets UC/CSU “a-g” subject area: f, g

Instrumental Lab 2  INST152
This advanced performance lab focuses on technique and genre.
Meets Graduation Requirement: Arts
Meets UC/CSU “a-g” subject area: f, g

Jazz Band  JAZZ150
This performance course teaches techniques and skills characteristic to jazz. The student plays many different styles of jazz from big band to modern progressive swing.
Meets Graduation Requirement: Arts
Meets UC/CSU “a-g” subject area: g

Jewelry  JEWL150
This course gives students an opportunity to experience the art of jewelry making through basic techniques, materials and the processes of jewelry making. Students will create jewelry from assigned projects and from their own designs. The students will learn additional techniques of jewelry making, such as hand-wrought metals and cutting and polishing semiprecious gemstones and mounting them into jewelry.
Meets Graduation Requirement: Arts
Meets UC/CSU “a-g” subject area: n/a

Media Arts 1  MEDA151
Students learn communication skills with video and other multimedia technologies. Students will become proficient in camera, audio, and video editing technologies. Students will gain skills in inquiry-based learning, project management, teamwork, client service, and problem solving. Students are also exposed to aesthetic valuing and creative challenges. Students will leave this class with a portfolio of work demonstrating skills that could be applied to areas as broad as print media or architecture.
Meets Graduation Requirement: Arts
Meets UC/CSU “a-g” subject area: f, g

Media Arts 2  MEDA152
Students learn communication skills with video and other multimedia technologies. Students will become proficient in camera, audio, and video editing technologies. Students will gain skills in inquiry-based learning, project management, teamwork, client service, and problem solving. Students are also exposed to aesthetic valuing and creative challenges. Students will leave this class with a portfolio of work demonstrating skills that could be applied to areas as broad as print media or architecture.
Meets Graduation Requirement: Arts
Meets UC/CSU “a-g” subject area: f, g

Media Arts 3  MEDA153
Students already are proficient with web-based technologies, as well as camera, audio, and video editing technologies. Students will now apply those skills to producing two polished media products which communicate ideas/ opinions/information. Students are encouraged to work on teams to produce short videos (3-5 minutes). They may also opt to use this year to develop a polished portfolio which demonstrates sophisticated understanding of design principles and current technologies.
Meets Graduation Requirement: Arts
Meets UC/CSU “a-g” subject area: f, g

Media Arts Lab 1  MEDL151
Students work in a lab situation to complete advanced projects with video and other multimedia technologies. Students will become proficient in camera, audio, and video editing technologies. Students will gain skills in inquiry-based learning, project management, teamwork, client service, and problem solving. Students are also exposed to aesthetic valuing and creative challenges.
Media Literacy   MLIT150
Young people today are swamped with images, thousands of advertisements each day, music videos, games, websites and more. Media Literacy encourages students to examine these images with many of the same literacy skills they use when reading a word-based text. Students will have the opportunity to explore media relevant to their daily lives—music videos, blogs and web sites, digital photography, for example—in critical ways.

Meets Graduation Requirement: Elective
Meets UC/CSU “a-g” subject area: n/a

Multimedia   MULT150
This course provides a hands-on introduction to multi-media creation and digital video production. It guides students through all phases of multi-media/digital video production, from planning, executing/filming, to editing digital footage using various software products. Students explore several methods of sharing and broadcasting multi-media/digital videos. Students will also learn about publicizing their digital media for the most visibility.

Meets Graduation Requirement: Arts
Meets UC/CSU “a-g” subject area: f, g

Music Appreciation   MUSA150
This course covers the elements that make up music, from Bach to Rock. The student is involved in an in-depth study of what to listen for and how to listen to music. Students are required to attend and review a number of concerts each semester in addition to daily listening.

Meets Graduation Requirement: Arts
Meets UC/CSU “a-g” subject area: f, g

Music Lab   MUSL150
Music has its own structure, grammar, and rhetoric. This course sensitizes students to the formalities of this nonverbal language through activities based on goals and objectives. Students develop a sound basis of musical experience which can be used to make intelligent judgments regarding musical values.

Meets Graduation Requirement: Arts
Meets UC/CSU “a-g” subject area: g

Music Production   MUSP150
This course utilizes a team teaching format. Courses in drama, stage movement, stage band and stage chorus are offered in the same class. All students are exposed to the total range of learning experiences inherent in producing a major musical stage production.

Meets Graduation Requirement: Arts
Meets UC/CSU “a-g” subject area: f, g

Music Theory 1   MUST151
This course gives students an opportunity to explore the many techniques involved with writing and arranging music. It provides students with the basic and/or advanced techniques needed to write (compose), arrange, and hear music that has been discussed in class.

Meets Graduation Requirement: Arts
Meets UC/CSU “a-g” subject area: f, g

Oral Interpretation   ORLI150
This course introduces the dramatic study of literature through performance. Emphasis is on analysis and performance of poetry, drama, and prose fiction. Upon completion, students should be able to appreciate and to participate in the critical analysis of various literary voices.

Meets Graduation Requirement: Arts
Meets UC/CSU “a-g” subject area: g

Orchestra 1   ORCH151
Orchestra members will demonstrate a thorough knowledge of the care of their instrument and of all aspects of its technique. They sight read fluently. The orchestra will study and perform repertoire from the National Association for Music Education recommended music which will include works for full orchestra. The repertoire will be chosen for its historical and cultural value which will be researched and discussed in class.

Meets Graduation Requirement: Arts
Meets UC/CSU “a-g” subject area: f, g

Orchestra 2   ORCH152
Continuing music students will perfect all music skills learned in the lower grades. Continuing instruction will be given in music reading, music theory, and selected historical and cultural contributions. Students will perform more advanced music and are expected to attend all scheduled performances.

Meets Graduation Requirement: Arts
Meets UC/CSU “a-g” subject area: f, g

Orchestra 3   ORCH153
Continuing music students will master technical skills on their respective instruments as well as reading and writing music notation. Emphasis will be placed
on interpretation, phrasing, historical and multicultural contributions, and through the performance of a variety of music literature, styles and forms of music will be discussed and evaluated. Continuing instruction will be given in music theory and in listening to music. Students are expected to attend all scheduled performances.

**Meets Graduation Requirement:** Arts
**Meets UC/CSU “a-g” subject area:** f, g

**Painting**  PNTG150
Students have the opportunity to experiment with watercolor, oils and acrylics, plus other more advanced media. There is an introduction to the basic principles of design (line, color, value, texture, shape and space) and composition and use of tools to produce a finished product.

**Meets Graduation Requirement:** Arts
**Meets UC/CSU “a-g” subject area:** f, g

**Painting Advanced**  PNTG450
Continuing students will master the techniques learned in Painting 1-2 along with advanced media and technical applications. Further study is required into art history and multicultural influences as it relates to art, mankind and society with more emphasis on critical thinking, personal observations and research. Students are expected to enter contests and volunteer to do art projects for the school and community when the need arises.

**Meets Graduation Requirement:** Arts
**Meets UC/CSU “a-g” subject area:** f, g

**Photography**  FOTO150
This introductory course explores photography as a form of communication. Students develop an understanding of art principles and the technical skills necessary to communicate effectively in the medium of photography. This course teaches basic technical skills including using 35mm cameras, expose, processing, enlarging and printing film. Students learn the relationship of photography to other art forms and receive an overview of careers in photography and related fields.

**Meets Graduation Requirement:** Arts
**Meets UC/CSU “a-g” subject area:** f, g

**Photography Advanced**  FOTO450
This advanced course provides students with the opportunity to expand and enhance the skills developed in Photography. Emphasis is placed on a review of the principles of black and photography, color and the transition to digital photography.

**Meets Graduation Requirement:** Arts
**Meets UC/CSU “a-g” subject area:** f, g

**Piano**  PIAN150
Students will be instructed in the basic of playing the Piano along with fundamental Piano Pedagogy, music reading and theory and selected historical and multicultural contributions.

**Meets Graduation Requirement:** Arts
**Meets UC/CSU “a-g” subject area:** n/a

**Piano 1**  PIAN151
Students will be instructed in the basic of playing of the Piano along with fundamental Piano Pedagogy, music reading and theory and selected historical and cultural contributions.

**Meets Graduation Requirement:** Arts
**Meets UC/CSU “a-g” subject area:** f, g

**Piano 2**  PIAN152
Continuing music students will expand upon all music skills learned in Beginning Piano 1-2. Emphasis will be placed on interpretation, performance techniques and learning a well rounded music repertoire. Continuing instruction will be given in music reading and theory, and selected historical and cultural contributions.

**Meets Graduation Requirement:** Arts
**Meets UC/CSU “a-g” subject area:** f, g

**Piano 3**  PIAN153
Continuing Piano students will master technical skills learned at the lower levels of Piano classes. Emphasis will be placed on more advanced performance skills along with music theory and terminology, interpretation, research, writing, reading, and aural, music history and multicultural experiences and the ability to make aesthetic judgments.

**Meets Graduation Requirement:** Arts
**Meets UC/CSU “a-g” subject area:** g

**Piano Lab 1**  PIAL151
The piano class or laboratory provides for the development of musical skills through the study and performance of keyboard literature suited to various levels of instruction. The course provides also for the sequential development of skills and understanding in piano performance.

**Meets Graduation Requirement:** Arts
**Meets UC/CSU “a-g” subject area:** f, g

**Piano Lab 2**  PIAL152
The piano class or laboratory provides for the
development of musical skills through the study and performance of keyboard literature suited to various levels of instruction. The course provides also for the sequential development of skills and understanding in piano performance.

**Meets Graduation Requirement:** Arts
**Meets UC/CSU “a-g” subject area:** f, g

**Piano Lab 3  PIAL153**
The piano class or laboratory provides for the development of musical skills through the study and performance of keyboard literature suited to various levels of instruction. The course provides also for the sequential development of skills and understanding in piano performance.

**Meets Graduation Requirement:** Arts
**Meets UC/CSU “a-g” subject area:** f, g

**Piano Lab 4  PIAL154**
The piano class or laboratory provides for the development of musical skills through the study and performance of keyboard literature suited to various levels of instruction. The course provides also for the sequential development of skills and understanding in piano performance.

**Meets Graduation Requirement:** Arts
**Meets UC/CSU “a-g” subject area:** f, g

**Printing  PRNT150**
This course is no longer used. It will be inactivated after Spring 2014.

**Meets Graduation Requirement:** Arts
**Meets UC/CSU “a-g” subject area:** n/a

**Public Speaking Advanced  PSPK450**
Students continue to learn advanced public speaking skills. This course includes study and practice of principles in strategic, confident, and credible public speaking. Assignments include a variety of oral presentations: special occasion, personal experience, impromptu, panel discussion, informative and persuasive. The course includes anxiety management, speech organization research and support, communication ethics, diverse audiences, listening skills and dynamic delivery.

**Meets Graduation Requirement:** Arts
**Meets UC/CSU “a-g” subject area:** f, g

**Sculpture  SCLP150**
This course introduces students to the fine art of forming figures, designs, and objects into a three-dimensional format. The class adds to the student’s versatility of expression and further develops manual craftsmanship. It enables students to experience working with a variety of materials including clay, plaster, wire, paper and wood.

**Meets Graduation Requirement:** Arts
**Meets UC/CSU “a-g” subject area:** n/a

**Show Choir  SHOW150**
Students will receive continuing instruction in all aspects of producing a well balanced vocal sound as well as developing aural/listening skills. Students will learn and perform various types of show music and a wide range of pop music. Stage presence, choreography and showmanship will be emphasized. Students will be required to participate in selected performances which include festivals and competitions.

**Meets Graduation Requirement:** Arts
**Meets UC/CSU “a-g” subject area:** f, g

**Silkscreen  SILK150**
This hands-on beginner class teaches the basics of silkscreening, troubleshooting, working with fabric printing and basic registration.

**Meets Graduation Requirement:** Arts
**Meets UC/CSU “a-g” subject area:** n/a

**SOTA Theatre Advanced  THEA450**
SOTA THEA ADV 1

**Meets Graduation Requirement:** Arts
**Meets UC/CSU “a-g” subject area:** f, g

**Studio Art - Intermediate  STUD150**
Students work on independent projects in a studio art environment.

**Meets Graduation Requirement:** Arts
**Meets UC/CSU “a-g” subject area:** f, g

**Symphonic Band  SYMB150**
Symphonic Band is an advanced instrumental music class. Students must be able to play their instrument with a high degree of skill for enrollment in this class. The band gives a number of performances for the general public and at music festivals.

**Meets Graduation Requirement:** Arts
**Meets UC/CSU “a-g” subject area:** f, g

**Symphony Orchestra 1  ORCS150**
This course provides for skill and aesthetic development at all levels. Performance skills are developed to the highest level for the individual student.

**Meets Graduation Requirement:** Arts
**Meets UC/CSU “a-g” subject area:** f, g
Theater 1  THEA151
This course provides an opportunity for students to study drama as a performing art, an academic discipline, an aesthetic experience and a craft. Through exercises in emotional response, body movement, and oral interpretation, the students experience basic acting techniques, as well as acquire the technical knowledge of stage movement, basic makeup, and basic costuming.

Meets Graduation Requirement: Arts
Meets UC/CSU “a-g” subject area: f, g

Theater 2  THEA152
Students study drama as a performing art, an academic discipline, an aesthetic experience and a craft. Through exercises in emotional response, body movement, and oral interpretation, students experience basic acting techniques as well as acquire technical knowledge of stage movement, basic makeup, and basic costuming. This course is designed to introduce students to the fundamentals of acting. Students will gain experience as performers through mime, stage movement, improvisation, building a character and acting in scenes from selected plays. Students will study the origins of Theater Art, from Pre-History to Post Modern.

Meets Graduation Requirement: Arts
Meets UC/CSU “a-g” subject area: f, g

Theater 3  THEA153
This course continues to develop theater skills for students who have passed Drama 1/2 or who have the consent of the instructor to be in Advanced Drama. More intense exercises are included in each of the areas covered in Drama 1/2. Particular emphasis is placed on physical warm-ups, stage movement, more accurate pantomime, concentration and believability exercises, more extensive character and dialogue work, longer scene studies, and some writing of students' own scenes. Students perform more in this class than in Drama 1/2. This course is designed for students with a strong interest in Drama. This course will incorporate the elements of reading, research and writing, as well as mastering the techniques learned in Drama 1-2. The students will gain extensive experience in scene study. The course begins with Greek scenes and moves forward in history that represent, Medieval, Renaissance, Restoration, Romantic, Modern and Contemporary. Also included are scenes that represent, Chinese, Japanese, Latin American and African American theater among others.

Students will research "isms" in theater, such as, Expressionism, Symbolism, Realism, Theatricalism and Absudism. Students will direct a scene that represents that style of theater. A major production will come from this class in the spring semester. A portfolio will be kept for each student which reflects the quality of their work.

Meets Graduation Requirement: Arts
Meets UC/CSU “a-g” subject area: f, g

Theater Fitness 1  TFIT151
Theatre Fitness introduces and trains students in the various physical skills they will use as actors and helps them build endurance for the physically demanding work of theatre. It takes an enormous amount of energy, directed and focused appropriately, to survive 3 hours on stage in character, 8 shows a week. The goal of this class is to give the students the skills sustain their energy. The course includes movement and alignment, stage combat, physical theatre, clowning, and dance. This course is offered over four years with students continuing to advance their skills each year.

Meets Graduation Requirement: Arts
Meets UC/CSU “a-g” subject area: g

Theater Fitness 2  TFIT152
Theatre Fitness introduces and trains students in the various physical skills they will use as actors and helps them build endurance for the physically demanding work of theatre. It takes an enormous amount of energy, directed and focused appropriately, to survive 3 hours on stage in character, 8 shows a week. The goal of this class is to give the students the skills sustain their energy. The course includes movement and alignment, stage combat, physical theatre, clowning, and dance. This course is offered over four years with students continuing to advance their skills each year.

Meets Graduation Requirement: Arts
Meets UC/CSU “a-g” subject area: g

Theater Tech 1  TECH151
Continuing students will receive additional instruction in all aspects of operating and maintaining the stage, auditorium, off stage areas, lighting equipment and the sound system. This will be a training ground for students wishing to become Stage Manager or Assistant Stage Managers. Students will be required to be available for all selected activities.

Meets Graduation Requirement: Arts
Meets UC/CSU “a-g” subject area: f, g
Theater Tech 2  TECH152
Continuing students will receive additional instruction in all aspects of operating and maintaining the stage, auditorium, off stage areas, lighting equipment and the sound system. This will be a training ground for students wishing to become Stage Manager or Assistant Stage Managers. Students will be required to be available for all selected activities.
Meets Graduation Requirement: Arts
Meets UC/CSU “a-g” subject area: f, g

Theater Tech 3  TECH153
This course provides challenging technical theater opportunities for the advanced technician, including leadership roles such as crew chief or house manager, mainstage production team, principle design assignments, dramaturgy, historical research and box office management. Students are involved in advanced skills in technical theater, including set design, costume design and creation, makeup design and application, special effects, lighting and sound and stage management.
Meets Graduation Requirement: Arts
Meets UC/CSU “a-g” subject area: f, g

Video Production  VIDO150
This is a professional quality video production class embracing all aspects of video film making, both documentary and dramatic. The highly collaborative and creative skills of video production are taught. Modeling outstanding examples of feature films, students incorporate the finest film art and understanding into their video work.
Meets Graduation Requirement: Arts
Meets UC/CSU “a-g” subject area: f, g

Vocal Lab 1  VOCL451
This course provides opportunity for vocal exercise and intellectual analysis in the development of efficient singing technique and skill in performing vocal literature.
Meets Graduation Requirement: Arts
Meets UC/CSU “a-g” subject area: f, g

Vocal Lab 2  VOCL452
This course provides opportunity for vocal exercise and intellectual analysis in the development of efficient singing technique and skill in performing vocal literature.
Meets Graduation Requirement: Arts
Meets UC/CSU “a-g” subject area: f, g

Vocal Lab 3  VOCL453
This course provides opportunity for vocal exercise and intellectual analysis in the development of efficient singing technique and skill in performing vocal literature.
Meets Graduation Requirement: Arts
Meets UC/CSU “a-g” subject area: f, g

Vocal Lab 4  VOCL454
This course provides opportunity for vocal exercise and intellectual analysis in the development of efficient singing technique and skill in performing vocal literature.
Meets Graduation Requirement: Arts
Meets UC/CSU “a-g” subject area: f, g

Vocal Music 1  SING151
Students receive instruction and practice in voice development, proper breathing, tone production, diction, sight reading, rhythms and elementary music theory. Selected popular and classical music is performed. This course develops basic singing skills.
Meets Graduation Requirement: Arts
Meets UC/CSU “a-g” subject area: f, g

Vocal Music 2  SING152
Students receive instruction and practice in voice development, proper breathing, tone production, diction, sight reading, rhythms and elementary music theory. Selected popular and classical music is performed. This course develops basic singing skills.
Meets Graduation Requirement: Arts
Meets UC/CSU “a-g” subject area: f, g

Vocal Music 3  SING153
Students will receive advanced instruction in aspects of singing. Instruction will include music writing, theory and terminology, music history, appreciation and multicultural influences, ear training and sight reading. Emphasis will be placed on interpretation and research along with the student’s ability to make aesthetic judgements. A more sophisticated understanding of the nature, structure, and meaning of music will be accomplished through the study and performance of more advanced choral literature. Students will be expected to attend all scheduled performances.
Meets Graduation Requirement: Arts
Meets UC/CSU “a-g” subject area: f, g

World Arts  ARTW150
Understanding art gives us an understanding of how the people who made that art view the world and in
turn, gives us an opportunity to better understand how we, ourselves, view the world. The objectives of this course are for students to gain an understanding of the role art plays in the cultures of selected non-western cultures and, as a result, to be a more culturally engaged citizen of the world. Students should complete this course with the ability to generally identify and discuss the significance of a given artwork from a particular culture. Additionally, they should be able to discuss the similarities and differences of art from different cultures.

**Meets Graduation Requirement:** Arts
**Meets UC/CSU “a-g” subject area:** f, g

### Career Technical Education

**Academy of Finance 1  AFIN951**
The Academy of Finance at Burton is a student-centered, small learning community that combines academic rigor - in classes at Burton and through enrollment in business classes at San Francisco City College - structured business internships, and community service in the planning and operation of Burton’s award-winning Tax Office. Working in teams, students learn and apply business communication techniques and analytic skills that make them attractive candidates for internships and career positions. The Academy of Finance is open to all Burton students in good standing who are interested in making and keeping money, using it wisely, and becoming effective participants in the global marketplace.

**Meets Graduation Requirement:** Elective
**Meets UC/CSU “a-g” subject area:** g

**Academy of Finance 2  AFIN952**
The Academy of Finance at Burton is a student-centered, small learning community that combines academic rigor - in classes at Burton and through enrollment in business classes at San Francisco City College - structured business internships, and community service in the planning and operation of Burton’s award-winning Tax Office. Working in teams, students learn and apply business communication techniques and analytic skills that make them attractive candidates for internships and career positions. The Academy of Finance is open to all Burton students in good standing who are interested in making and keeping money, using it wisely, and becoming effective participants in the global marketplace.

**Meets Graduation Requirement:** Elective
**Meets UC/CSU “a-g” subject area:** n/a

**Accounting  FINA953**

Students develop financial literacy as they learn about the function of finance in society. They study income and wealth; examine financial institutions; learn how businesses raise capital; and study key investment-related terms and concepts. They also research how innovations have changed the financial services field. Finally, students explore careers that exist in finance today. Accounting Principles of Accounting provides students with an understanding of the accounting process and how it facilitates decision making by providing data and information to internal and external stakeholders. Students learn that accounting is an integral part of all business activities. They learn how to apply technology to accounting by creating formulas and inputting data into spreadsheets. Students also examine career opportunities and the professional certifications and designations earned by individuals in the accounting profession.

**Meets Graduation Requirement:** Elective
**Meets UC/CSU “a-g” subject area:** n/a

**Accounting  ACCT951**

Accounting is a skill-level course that is of value to all students pursuing a strong background in business, marketing, and management. This course includes planned learning experiences that develop initial and basic skills used in systematically computing, classifying, recording, verifying, and maintaining numerical data involved in financial and product control records including the paying and receiving of money. Instruction includes information on keeping financial records, summarizing them for convenient
interpretation, and analyzing them to provide assistance to management for decision-making. Accounting computer applications will be integrated throughout the course where applicable. In addition to stressing basic fundamentals and terminology of Accounting, instruction will provide initial understanding of the preparation of budgets and financial reports, operation of related business machines and equipment, and career opportunities in the accounting field. Practical accounting problems with business papers will emphasize actual business records management.

**Meets Graduation Requirement:** Elective  
**Meets UC/CSU “a-g” subject area:** n/a

**Advanced Art In Architecture**  
**AARC952**  
This advanced course is designed to continue the study of social, aesthetic and physical factors (people, forms, light, climate and available materials) involved in the design of structures for human needs. The course stresses the use of the classroom as an area in which the instructor and the students collaborate in the process of design and criticism.  

**Meets Graduation Requirement:** Arts  
**Meets UC/CSU “a-g” subject area:** f, g

**Agriculture 1**  
**AGR951**  
This course is designed for students to study the structure of plants, growth processes, propagation, physiology, classification, reproduction, soil, pests, and harvesting practices. The students in the class will work in gardens, planting, harvesting and selling to local markets. This is the first year of a two-year academy program and is intended to successfully prepare students who want to pursue a career in the area of agriculture and/or plan on majoring in agriculture sciences at a four year college.  

**Meets Graduation Requirement:** Elective  
**Meets UC/CSU “a-g” subject area:** n/a

**Agriculture 2**  
**AGR952**  
This course is designed for students to study the structure of plants, growth processes, propagation, physiology, classification, reproduction, soil, pests, and harvesting practices. The students in the class will work in gardens, planting, harvesting and selling to local markets. This is the second year of a two-year academy program and is intended to successfully prepare students who want to pursue a career in the area of agriculture and/or plan on majoring in agriculture sciences at a four year college.

**Meets Graduation Requirement:** Elective  
**Meets UC/CSU “a-g” subject area:** n/a

**AME - Advertising 1**  
**AMEM951**  
Video is an art form, but also a fundamental communication tool for future workers and lifelong learners. The focus of this video class is using video arts as a persuasive tool for expression and communication. This is the centerpiece class in a program that prepares high school students for college majors in Communication & Marketing or for further training toward careers in graphic design, public relations, advertising, broadcasting, video production or multimedia. This is year one of a two-year program.

**Meets Graduation Requirement:** Arts  
**Meets UC/CSU “a-g” subject area:** f, g

**AME - Advertising 2**  
**AMEM952**  
Video is an art form, but also a fundamental communication tool for future workers and lifelong learners. The focus of this video class is using video arts as a persuasive tool for expression and communication. This is the centerpiece class in a program that prepares high school students for college majors in Communication & Marketing or for further training toward careers in graphic design, public relations, advertising, broadcasting, video production or multimedia. This is year two of a two-year program.

**Meets Graduation Requirement:** Arts  
**Meets UC/CSU “a-g” subject area:** f, g

**AME - Animation 1**  
**AMEA951**  
In this course students learn the fundamental principles of traditional 2D animation through a series of character based exercises that lead up to full digital production techniques for animating, compositing, video editing and audio recording. Students work as individuals and in production teams and learn a wide range of software, as well as file and project management. Students create a portfolio of their first year work that is developed further in the second year of the course.
**Meets Graduation Requirement:** Arts
**Meets UC/CSU “a-g” subject area:** f, g

**AME - Animation 2 ** **AMEA952**
In the second year of the Animation course students learn advance production skills with an emphasis on motion graphics design and visual communications. Production teams work together to produce a series of animations of increased complexity with a focus on topics ranging from social issues to business and marketing. Students continue to develop and add to their portfolio.

**Meets Graduation Requirement:** Arts
**Meets UC/CSU “a-g” subject area:** f, g

**AME - Broadcast Media 1 ** **AMEB951**
Broadcast Media Academy focuses on developing students’ ability to communicate using writing as the basis for any message. The course provides students with the skills they need to progress through the academy and beyond. Students explore the history of broadcast in both audio and video media and examine the roles they play in our society today. They also explore the current state of the radio and television as multimedia becomes a larger part of the broadcast industry. Students combine theory with practice by creating a series of small projects in both audio and video media and they will focus on an area of interest to create their culminating project in the media of their choice. This is year one of a three-year program.

**Meets Graduation Requirement:** Arts
**Meets UC/CSU “a-g” subject area:** f, g

**AME - Broadcast Media 2 ** **AMEB952**
Broadcast Media Academy focuses on developing students’ ability to communicate using writing as the basis for any message. The course provides students with the skills they need to progress through the academy and beyond. Students explore the history of broadcast in both audio and video media and examine the roles they play in our society today. They also explore the current state of the radio and television as multimedia becomes a larger part of the broadcast industry. Students combine theory with practice by creating a series of small projects in both audio and video media and they will focus on an area of interest to create their culminating project in the media of their choice. This is year two of a three-year program.

**Meets Graduation Requirement:** Arts
**Meets UC/CSU “a-g” subject area:** f, g

**AME - Broadcast Media 3 ** **AMEB953**
Broadcast Media Academy focuses on developing students’ ability to communicate using writing as the basis for any message. The course provides students with the skills they need to progress through the academy and beyond. Students explore the history of broadcast in both audio and video media and examine the roles they play in our society today. They also explore the current state of the radio and television as multimedia becomes a larger part of the broadcast industry. Students combine theory with practice by creating a series of small projects in both audio and video media and they will focus on an area of interest to create their culminating project in the media of their choice. This is year three of a three-year program.

**Meets Graduation Requirement:** Arts
**Meets UC/CSU “a-g” subject area:** f, g

**AME - Media Arts 1 ** **AMEG951**
Students learn communication skills with video and other multimedia technologies. Students will become proficient in camera, audio, and video editing technologies. Students will gain skills in inquiry-based learning, project management, teamwork, client service, and problem solving. Students are also exposed to aesthetic valuing and creative challenges.

**Meets Graduation Requirement:** Arts
**Meets UC/CSU “a-g” subject area:** f, g

**AME - Media Arts 2 ** **AMEG952**
Students already are proficient with web-based technologies, as well as camera, audio, and video editing technologies. Students will now apply those skills to producing two polished media products which communicate ideas/opinions/information. Students are encouraged to work on teams to produce short videos (3-5 minutes). They may also opt to use this year to develop a polished portfolio which demonstrates sophisticated understanding of design principles and current technologies.

**Meets Graduation Requirement:** Arts
**Meets UC/CSU “a-g” subject area:** f, g

**AP Psychology ** **EDUC954**
AP Psychology introduces students to the systematic and scientific study of behavior and mental processes of human beings and animals. Students are exposed to the psychological facts, principles, and phenomena associated with the major subfields within psychology. They also learn about the methods psychologists use in their science and
practice.

**Meets Graduation Requirement:** Elective
**Meets UC/CSU “a-g” subject area:** f, g

**Architectural Design**  ADES950
This introductory course in Architectural Design is designed to develop fundamental skills in drawing, mechanical and freehand, visualization, orientation and rotation of objects along with standard visual communication techniques. Students learn the basics of architectural design, drafting, auto-CAD, rendering and planning. Students acquire an understanding of the progressions of architecture, engineer, designer, draftsperson, and the roles each play in the design, planning and building process as it relates to the construction industry. They will learn to express their ideas through freehand drawing, mechanical drawing, rendering, and computer graphics.

**Meets Graduation Requirement:** Arts
**Meets UC/CSU “a-g” subject area:** f, g

**Art In Architecture**  AARC951
This course considers the social, aesthetic and physical factors (people, form, light, climate, color, and available materials) involved in designing structures for human needs. The course stresses the use of the classroom as an area in which the instructor and the students collaborate in the process design and criticism.

**Meets Graduation Requirement:** Arts
**Meets UC/CSU “a-g” subject area:** f, g

**Art in Architecture 1**  ENGA951
This course considers the social, aesthetic and physical factors (people, form, light, climate, color, and available materials) involved in designing structures for human needs. The course stresses the use of the classroom as an area in which the instructor and the students collaborate in the process design and criticism.

**Meets Graduation Requirement:** Arts
**Meets UC/CSU “a-g” subject area:** f, g

**Art in Architecture 2**  ENGA952
This course considers the social, aesthetic and physical factors (people, form, light, climate, color, and available materials) involved in designing structures for human needs. The course stresses the use of the classroom as an area in which the instructor and the students collaborate in the process design and criticism.

**Meets Graduation Requirement:** Arts
**Meets UC/CSU “a-g” subject area:** f, g

**Auto 1**  AUTO951
Automotive Technology and Safety is a study of the various aspects that encompass the automotive industry and its related fields. These studies include the interaction of science and technology as they apply to automotive transportation systems and the engineered sub-systems that are responsible for the proper functioning of automobiles, an examination of current professional and safety standards mandated in trade-based environments, and the development of hand-tool and machinery competency. Furthermore, mathematic and scientific concepts associated with mechanical, electrical, chemical, and computer-engineered systems will also be explored. Students will develop their understanding of science, as it applies to the study of engineered automotive systems, by building on their knowledge of physics and mathematics while conducting a combination of inquiry based research, lab based projects, and problem based simulations using real world examples. Students will be engaged in a theoretical program that integrates academic study with technical skills. This course is proposed in order to prepare and motivate students for varied pathways, including but not limited to; post-secondary education in science and engineering programs, and/or a certificated automotive-based trade program. This is year one of a two-year program.

**Meets Graduation Requirement:** Elective
**Meets UC/CSU “a-g” subject area:** n/a

**Auto 2**  AUTO952
Automotive Technology and Safety is a study of the various aspects that encompass the automotive industry and its related fields. These studies include the interaction of science and technology as they apply to automotive transportation systems and the engineered sub-systems that are responsible for the proper functioning of automobiles, an examination of current professional and safety standards mandated in trade-based environments, and the development of hand-tool and machinery competency. Furthermore, mathematic and scientific concepts associated with mechanical, electrical, chemical, and computer-engineered systems will also be explored. Students will develop their understanding of science, as it applies to the study of engineered automotive systems, by building on their knowledge of physics and mathematics.
while conducting a combination of inquiry based research, lab based projects, and problem based simulations using real world examples. Students will be engaged in a theoretical program that integrates academic study with technical skills. This course is proposed in order to prepare and motivate students for varied pathways, including but not limited to; post-secondary education in science and engineering programs, and/or a certificated automotive-based trade program. This is year one of a two-year program.

**Meets Graduation Requirement:** Elective

**Meets UC/CSU “a-g” subject area:** n/a

### Biotechnology 1  BIOT951

A one-year course in the principles of biotechnology which will study the history, present impact, and future potentials of this relatively new branch of science. The first part of the course focuses on the inheritance and physiology of genetic diseases and a review of Mendelian inheritance. The second part of the course focuses on key experiments in the history of DNA science as a model for studying the application of the scientific method. The third part of the course is on DNA chemistry and the structure and regulation of genes. The fourth section deals with the human genome and social, legal, and ethical issues engendered by the new technologies. The fifth section is an in depth analysis of the immune system, AIDS, and impact and future potentials of biotechnology. This is a Career Technical Education course.

**Meets Graduation Requirement:** Biological Science

**Meets UC/CSU “a-g” subject area:** d1, g

### Bank & Credit  BNCK950

This course is a comprehensive introduction to the theory and practice of finance. It is organized around the services and operations of commercial banks. It begins with a focus on the individual as a consumer of bank services and deals with saving, borrowing, budgeting, financial planning, credit use and scores and interest rates. Students learn the uses of mortgages, leases, personal loans, and savings accounts, including tax-deferred retirement accounts. The course then moves to bank management and objectives, financial reports of banks and public companies, and the financial assessment of banks and other companies. The students leave the course with the experience of producing personal financial plans, financial reports on banks and other public companies, and delivering those reports using current business presentation technology and methods. The students visit the Federal Reserve Bank of San Francisco, trading and investment professionals and a credit union as well as have financial professionals visit them in class. They also have the opportunity to work with adults in the community to assist in the preparation of U.S. Federal Income Tax returns.

**Meets Graduation Requirement:** Elective

**Meets UC/CSU “a-g” subject area:** n/a

### Broadcast Media  BRDC950

Broadcast Media and Production is an Academy for video and audio production. The course focuses on developing students' ability to communicate using writing as the basis for any message. The course provides students with the skills they need to progress through the academy and beyond. Students explore the history of broadcast in both audio and video media and examine the roles they play in our society today. They also explore the current state of the radio and television as multimedia becomes a larger part of the broadcast industry. Students combine theory with practice in the multimedia lab by creating a series of small projects in both audio and video media and they will focus on an area of interest to create their culminating project in the media of their choice.

**Meets Graduation Requirement:** Arts

**Meets UC/CSU “a-g” subject area:** f, g

### Building & Construction 1  BUCN951

Building & Construction prepares students for post-
secondary instruction that may lead to an apprenticeship within the construction industry. This class focuses on safety, measurement (both linear and volumetric), hand and portable power tool skill development, the practical application of mathematics, and an introduction to construction materials and structural engineering.

**Meets Graduation Requirement:** Elective
**Meets UC/CSU “a-g” subject area:** n/a

**Building & Construction 2** BUCN952
Building & Construction 2 refines tool skill development and enhances safety and emergency preparedness as well as introduces stationary tools, scale dimensioning, blueprint reading, job sequencing and cost estimation. Students explore construction trades and apprenticeship opportunities through guest speakers and field trips. Students develop necessary communication and cooperation skills by completing team projects. An additional focus will provide students with the skills to compete in the cutting edge of green and sustainable building techniques and products.

**Meets Graduation Requirement:** Elective
**Meets UC/CSU “a-g” subject area:** n/a

**Business and Computers** FINA952
This Academy of Finance course focuses on the use of computers and accounting. Students also prepare for the Microsoft Office Specialist certification.

**Meets Graduation Requirement:** Elective
**Meets UC/CSU “a-g” subject area:** g

**Business/Computers** BUSC950
The main focus of this course is on business applications of software, including word processing, spreadsheets, databases, presentation graphics and business utilization of the internet.

**Meets Graduation Requirement:** Elective
**Meets UC/CSU “a-g” subject area:** n/a

**Carpentry 1** CARP951
This class prepares students to be entry-level carpenters; to layout, fabricate, erect, install and repair wooden structures/fixtures, and to use hand/power tools. Instruction includes common systems of framing, construction materials, estimating and blueprint reading.

**Meets Graduation Requirement:** Elective
**Meets UC/CSU “a-g” subject area:** n/a

**Carpentry 2** CARP952
This class prepares students to be entry-level carpenters; to layout, fabricate, erect, install and repair wooden structures/fixtures, and to use hand/power tools. Instruction includes common systems of framing, construction materials, estimating and blueprint reading.

**Meets Graduation Requirement:** Elective
**Meets UC/CSU “a-g” subject area:** n/a

**Catering & Restaurant** CATR950
Students learn industry standard techniques in the preparation and presentation of foods as part of a Culinary Pathway program. Students also learn restaurant management skills, using the nationally recognized ProStart curriculum.

**Meets Graduation Requirement:** Elective
**Meets UC/CSU “a-g” subject area:** n/a

**Child Development** CDEV950
This course prepares students to understand children’s physical, mental, emotional and social growth and development as well as provide for their care and guidance. Instruction includes prenatal developments; inherited characteristics, health and safety, guidance and discipline, cultural diversity, and child abuse and neglect. This course provides a solid foundation for any career that involves working with children, including child care and education.

**Meets Graduation Requirement:** Elective
**Meets UC/CSU “a-g” subject area:** g

**Computer Architecture & Design** COMP951
This course introduces the student to a computer aided design system. The student will receive "hands-on" training and will develop the techniques that are essential in today's job market. The student will learn how to adapt basic technical drafting techniques to computer generated drawings of the various drafting disciplines.

**Meets Graduation Requirement:** Elective
**Meets UC/CSU “a-g” subject area:** g

**Computer Art** CART950
Students learn communication skills with web-based technologies. Students will become proficient with Photoshop, HTML, CSS, Dreamweaver and Flash, and have a higher-level understanding of color and design for computer screen (RGB, Hexadecimal). In creating web-based finished products, students will gain skills in inquiry-based learning, project management, teamwork and problem solving. Students are also exposed to aesthetic valuing and creative communication. This is a Career Technical Education course.
Meets Graduation Requirement: Arts
Meets UC/CSU “a-g” subject area: f, g

Computer Careers CCAR950
The Academy of Finance at Burton is a student-centered, small learning community that combines academic rigor - in classes at Burton and through enrollment in business classes at San Francisco City College - structured business internships, and community service in the planning and operation of Burton’s award-winning Tax Office. Working in teams, students learn and apply business communication techniques and analytic skills that make them attractive candidates for internships and career positions. The Academy of Finance is open to all Burton students in good standing who are interested in making and keeping money, using it wisely, and becoming effective participants in the global marketplace.
Meets Graduation Requirement: Elective
Meets UC/CSU “a-g” subject area: n/a

Computer Drafting CDRF950
Students will create design projects using Autodesk REVIT ARCHITECTURE. This software is a 3D Architecture design application. Students will create complete architectural projects in REVIT, creating building models using complex components and elements that they will be able to define and edit. Students will apply their architectural knowledge to draw Floor Plans, Elevations, Sections, 3D views and show walk-through animations of the spaces they have designed.
Meets Graduation Requirement: Elective
Meets UC/CSU “a-g” subject area: n/a

Computer Repair/Service 1 COMR150
This course enables students to develop skills required to become a proficient personal computer (PC) support technician. The course guides students through the installation, maintenance, troubleshooting and upgrading, and repairing of PC’s. Other topics included in the course are system boards, floppy drives, essentials devices, hard drive installations and support, troubleshooting fundamentals, power supplies, and diagnostic software. Students build a personal computer. This course prepares students for CompTIA A+ certification.
Meets Graduation Requirement: Elective
Meets UC/CSU “a-g” subject area: g

Computers COMP950
This course provides extensive hands-on computer experience developing introductory computer skills including word processing, database, spreadsheets, presentations, graphics and layout. Students may work toward Microsoft Office Specialist Certification (MOS Certification). This is a Career Technical Education course.
Meets Graduation Requirement: Elective
Meets UC/CSU “a-g” subject area: g

Culinary 1 CULI951
This is the first course students enroll in who are pursuing a career in food service and hospitality. Each student will learn about safety, sanitation, and how to use commercial kitchen equipment and tools. Students will be able to read recipes, prepare and cook meals with instructions from various cuisines from different parts of the world. Students will learn the fundamentals of baking and deep-frying, and different types of cooking techniques. Students will be able to identify various fruits and vegetables and what is seasonal. Students will learn the culinary language that is used in the kitchen. This is a Career Technical Education course.
Meets Graduation Requirement: Elective
Meets UC/CSU “a-g” subject area: n/a

Culinary 2 CULI952
This is the first course students enroll in who are pursuing a career in food service and hospitality. Each student will learn about safety, sanitation, and how to use commercial kitchen equipment and tools. Students will be able to read recipes, prepare and cook meals with instructions from various cuisines from different parts of the world. Students will learn the fundamentals of baking, deep-frying, and different types of cooking techniques. Students will be able to identify various fruits and vegetables and what is seasonal. Students will learn the culinary language that is used in the kitchen. This is a Career Technical Education course.
Meets Graduation Requirement: Elective
Meets UC/CSU “a-g” subject area: n/a

Design/maintenance DESN950
This course will focus on the designing, building and launching of Web sites using various software products, Web-based publishing tools, and basic HTML coding. Students will learn how to maintain, update and troubleshoot Web pages and the proper procedures and protocol for maintenance. Students will determine a business requirements for their
site, gather Web content, create Web pages, conduct usability testing, launch their Web Sites, and plan how to attract traffic to the Web site they have created. We will also explore various career opportunities in Web design. This course is part of the Academy of Information Technology course sequence.

**Meets Graduation Requirement:** Elective
**Meets UC/CSU “a-g” subject area:** g

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**Digital Media** DIGI950

Description Introduction to Digital Media provides an overview of information technology today. It serves as the foundation for all of the core courses offered by the Academy of Information Technology. This course provides students with an introduction to the common hardware and software that most of our digital media is designed and built with. Students will learn to work with different operating systems, write some basic programming code, organize project folders and manage workspaces, and produce audio and video projects using the latest digital capture devices and software applications. In addition to introducing students to technical skills, the course will develop students' ability to communicate effectively and work collaboratively. Introducing these soft skills to AoIT students is critical as we prepare them for internships and future careers in information technology. During the course, students consider contemporary IT issues such as security and privacy, the effects of IT on society, and technological inequality. Lastly, students get a chance to discover the types of careers that exist in IT today.

**Meets Graduation Requirement:** Elective
**Meets UC/CSU “a-g” subject area:** g

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**Electronics** ELEC950

This course in applied logic encompasses the application of electronic circuits and devices. Students design, build and test circuits and devices.

**Meets Graduation Requirement:** Elective
**Meets UC/CSU “a-g” subject area:** f, g

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**Energy/Utilities 1** ENUT951

This instructional program prepares individuals for enrollment in advanced career and technical education programs and includes occupational and basic technical information and laboratory experiences directly related to electricity and electronics. The purpose of the program is to assist individuals in making meaningful occupational and educational choices. Individuals are provided with the fundamentals of the theory, measurement, control, and application of electrical energy. Instructional activities include reading instructions, interpreting schematics, adjusting experimental apparatus, taking measurements, testing circuits and recording results.

**Meets Graduation Requirement:** Elective
**Meets UC/CSU “a-g” subject area:** n/a

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**Engineering 1** ENGE951

This course provides an overview of engineering and engineering technology. Students develop problem-solving skills by tackling real-world engineering problems. Through theory and practical hands-on experiences, students address the emerging social and political consequences of technological change.

**Meets Graduation Requirement:** Elective
**Meets UC/CSU “a-g” subject area:** n/a

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**Energy/Utilities 2** ENUT952

This instructional program prepares individuals to support the electronic engineer and other professionals in the design, development, modification, and testing of electronic circuits, devices, and systems. It includes instruction in practical circuit feasibility; prototype development and testing; systems analysis, including design, selection, installation, calibration and testing; solid-state and micro-miniature circuits; and the application of engineering data to specific problems in the electronics field.

**Meets Graduation Requirement:** Elective
**Meets UC/CSU “a-g” subject area:** n/a

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**Engineering 2** ENGE952

This course continues the exploration of engineering and engineering technology. Students develop problem-solving skills by tackling real-world engineering problems. Through theory and practical hands-on experiences, students address the emerging social and political consequences of technological change.

**Meets Graduation Requirement:** Elective
**Meets UC/CSU “a-g” subject area:** g

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**Engineering PLTW 1** ENGR951

The major focus of the Engineering 1 course is to expose students to the design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards and technical documentation. Students use 3-D solid modeling design software (Autodesk Inventor) to help them design solutions to solve proposed
problems and learn how to document their work and communicate solutions to peers and members of the professional community. This course uses the nationally recognized PLTW curriculum.

**Meets Graduation Requirement:** Elective

**Meets UC/CSU “a-g” subject area:** g

**Engineering PLTW 2 ENGR952**

This survey course of engineering exposes students to major concepts they’ll encounter in a postsecondary engineering course of study. Students employ engineering and scientific concepts in the solution of engineering design problems. They develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges, documenting their work and communicating solutions to peers and members of the professional community. This course uses the nationally recognized PLTW curriculum.

**Meets Graduation Requirement:** Elective

**Meets UC/CSU “a-g” subject area:** g

**Engineering PLTW 3 ENGR953**

Digital electronics is the foundation of all modern electronic devices such as cellular phones, MP3 players, laptop computers, digital cameras and high-definition televisions. The major focus of the DE course is to expose students to the process of combinational and sequential logic design, teamwork, communication methods, engineering standards and technical documentation. This course uses the nationally recognized PLTW curriculum.

**Meets Graduation Requirement:** Elective

**Meets UC/CSU “a-g” subject area:** g

**Ethics Business ETHB950**

This course introduces the importance of ethics in business. Students focus on the significance of ethics to stakeholders; examine who bears responsibility for monitoring ethics; and explore ethical situations common in organizations. Students examine how ethics affects various business disciplines and consider the impact of organizational culture. Students also explore ethics as social responsibility, the evolution of ethics in international business, and how the free market and ethics can coexist.

**Meets Graduation Requirement:** Elective

**Meets UC/CSU “a-g” subject area:** g

**Foods/Nutrition FOOD950**

This is the first course students enroll in who are pursuing a career in food service and hospitality. Each student will learn about safety, sanitation, and how to use commercial kitchen equipment and tools. Students will be able to read recipes, prepare and cook meals with instructions from various cuisines from different parts of the world. Students will learn the fundamentals of baking, deep-frying, and different types of cooking techniques. Students will be able to identify various fruits and vegetables and what is seasonal. Students will learn the culinary language that is used in the kitchen.

**Meets Graduation Requirement:** Elective

**Meets UC/CSU “a-g” subject area:** n/a

**Foods/Nutrition Advanced FOOD450**

This is the first course students enroll in who are pursuing a career in food service and hospitality. Each student will learn about safety, sanitation, and how to use commercial kitchen equipment and tools. Students will be able to read recipes, prepare and cook meals with instructions from various cuisines from different parts of the world. Students will learn the fundamentals of baking, deep-frying, and different types of cooking techniques. Students will be able to identify various fruits and vegetables and what is seasonal. Students will learn the culinary language that is used in the kitchen.

**Meets Graduation Requirement:** Elective

**Meets UC/CSU “a-g” subject area:** n/a

**Green Academy GREN950**

The Green Academy offers students a real world opportunity to discover and understand principles of physics, engineering, design and green-clean technologies. This hands-on includes everything from building electric cars, wind farms and solar ovens.

**Meets Graduation Requirement:** Elective

**Meets UC/CSU “a-g” subject area:** g
Health Careers  HCAR950
A survey of careers in the health sciences for the vocationally oriented student is the focus of this course. Lectures, field trips and guest speakers, will highlight vocational opportunities in medicine, nursing, infant and geriatric care, emergency care and other similar services. The course culminates in CPR certification for participating students.
Meets Graduation Requirement: Elective
Meets UC/CSU “a-g” subject area: d1, g

Health Science - Sports Therapy 2  HSCS952
As the second year of the Health Science Academy, this course provides continuing studies in the human body systems, with an emphasis on Sports Therapy. In addition, for each body system students will be studying a wide range of health care aspects that include the following: human body system, pathologies, health care careers, public health, medical terminology, and mental health.
Meets Graduation Requirement: Biological Science
Meets UC/CSU “a-g” subject area: d1, g

Health Science - Sports Therapy 3  HSCS953
As the third year of the Health Science Academy, this course provides continuing studies in the human body systems, with an emphasis on Sports Therapy. In addition, for each body system students will be studying a wide range of health care aspects that include the following: human body system, pathologies, health care careers, public health, medical terminology, and mental health.
Meets Graduation Requirement: Biological Science
Meets UC/CSU “a-g” subject area: d1, g

Health Science 1  HSCG951
As part of the Health Science Academy, this course provides an overview of each of the human body systems. Students will be studying a wide range of health care aspects that include the following: human body system, pathologies, health care careers, public health, medical terminology, and mental health.
Meets Graduation Requirement: Biological Science
Meets UC/CSU “a-g” subject area: d1, g

Health Science 2  HSCG952
As the second year of the Health Science Academy, this course provides continuing studies in the human body systems. In addition, for each body system students will be studying a wide range of health care aspects that include the following: human body system, pathologies, health care careers, public health, medical terminology, and mental health.
Meets Graduation Requirement: Biological Science
Meets UC/CSU “a-g” subject area: d1, g

Health Sciences - Sports Therapy 1  HSCS951
As part of the Health Science Academy, this course provides an overview of each of the human body systems, with an emphasis on Sports Therapy. In addition, for each body system students will be studying a wide range of health care aspects that include the following: human body system, pathologies, health care careers, public health, medical terminology, and mental health.
Meets Graduation Requirement: Biological Science
Meets UC/CSU “a-g” subject area: d1, g

Hospitality & Tourism 1  HSPT951
This is the first year of the CTE Hospitality Academy with an emphasis on Travel/Tourism. Students learn about the history of the industry, explore traveler motivation and consumer needs, the industry's economic and environmental impacts, domestic and international travel, and sales in tourism. Finally, students explore careers in the hospitality and tourism industry. Students develop a career plan and learn the principles of business communications. Students learn interview skills, to write formal letters and resumes, and to write a business plan.
Meets Graduation Requirement: Elective
Meets UC/CSU “a-g” subject area: n/a

Hospitality & Tourism 2  HSPT952
This is the second year of the CTE Hospitality Academy with an emphasis on Travel/Tourism. Students learn about the history of the industry, explore traveler motivation and consumer needs, the industry's economic and environmental impacts, domestic and international travel, and sales in tourism. Finally, students explore careers in the hospitality and tourism industry. Students develop a career plan and learn the principles of business communications. Students learn interview skills, to write formal letters and resumes, and to write a business plan.
Meets Graduation Requirement: Elective
Meets UC/CSU “a-g” subject area: n/a

Hospitality/Events 1  HSPE951
This is the first year of the CTE Hospitality Academy with an emphasis on Event Planning. Students learn about the history of the hospitality industry, explore the field of event planning, consumer needs, the industry's economic and environmental impacts, and

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Hospitality/Events 2   HSP952
This is the second year of the CTE Hospitality Academy with an emphasis on Event Planning. Students learn about the history of the hospitality industry, explore the field of event planning, consumer needs, the industry's economic and environmental impacts, and sales in the event planning field. Finally, students explore careers in the hospitality and tourism industry. Students develop a career plan and learn the principles of business communications. Students learn interview skills, to write formal letters and resumes, and to write a business plan.

Meets Graduation Requirement: Elective
Meets UC/CSU “a-g” subject area: n/a

HSC - Biotechnology 1   HSCB951
This CTE Academy explores the principles of biotechnology which will include the history, present impact, and future potentials of this relatively new branch of science. The first part of the course focuses on the inheritance and physiology of genetic diseases and a review of Mendelian inheritance. The second part of the course focuses on key experiments in the history of DNA science as a model for studying the application of the scientific method. The third part of the course is on DNA chemistry and the structure and regulation of genes. The fourth section deals with the human genome and social, legal, and ethical issues engendered by the new technologies. The fifth section is an in depth analysis of the immune system, AIDS, and impact and future potentials of biotechnology.

Meets Graduation Requirement: Biological Science
Meets UC/CSU “a-g” subject area: d1, g

HSC - Biotechnology 2   HSCB952
Biotechnology 2 continues to advance and refine the skills acquired in Biotechnology 1 as the second year of this CTE Academy. It is comprised of six units, one per each grading period. The six units are each based on a different project. The projects are all inquiry based, hands on wet labs with the exception of the last unit on bioinformatics, which is a computer based application. All of the labs have already been tested with high school students in an after school research class at Lincoln and have proven themselves to be robust, challenging, and doable. The class evaluation is based on legal, scientifically formatted lab notebooks (70%), exams (20%), and homework (10%). the second semester offers off site, after school and summer internships in industry and academic research labs.

Meets Graduation Requirement: Biological Science
Meets UC/CSU “a-g” subject area: d1, g

Human Development   EDUC951
Human Development is designed to increase student understanding of the ways in which humans grow, learn, and mature. The course focuses on the mental, social, physical and psychological development of humans from birth to adolescence. Students work directly with children at an elementary school to apply what they have learned in class.

Meets Graduation Requirement: Elective
Meets UC/CSU “a-g” subject area: g

ICT - Game Development 1   ICTG951
This two-year career academy trains students in programming with a focus on game development.

Meets Graduation Requirement: Elective
Meets UC/CSU “a-g” subject area: n/a

ICT - Game Development 2   ICTG952
This two-year career academy trains students in programming with a focus on game development.

Meets Graduation Requirement: Elective
Meets UC/CSU “a-g” subject area: n/a

ICT - Programming 1   ICTP951
This is the first year of the ICT Programming Academy. The course introduces the basic concepts of computer science including the ethical and social impacts of computing. Emphasis is given to problem-solving, problem analysis, and algorithm design. This course offers programming concepts using java or similar programming languages. Students will learn about and use variable, data types and operators. Students will be introduced to arrays, flow-control, exception handling and differing data structures, and apply this knowledge in hands-on experiences.

Meets Graduation Requirement: Elective
Meets UC/CSU “a-g” subject area: g

ICT - Programming 2   ICTP952
This is the second year of the ICT Programming
The course introduces the basic concepts of computer science including the ethical and social impacts of computing. Emphasis is given to problem-solving, problem analysis, and algorithm design. This course offers programming concepts using java or similar programming languages. Students will learn about and use variable, data types and operators. Students will be introduced to arrays, flow-control, exception handling and differing data structures, and apply this knowledge in hands-on experiences.

**Meets Graduation Requirement:** Elective
**Meets UC/CSU “a-g” subject area:** g

**ICT - Robotics 1A  ICTR951A**

Students will work as a team to design and build a robot with the goal of competing in a robotics tournament. Topics in the Computer & Robotics Technology course include: Safety and Environmental Issues, Safe tool use and shop training for the following power tools, Networks, Personal Computers and Components, Robot components and subsystems, Basic Electronics, Circuits and Soldering, Operating Systems, CAD design, Programming, Laptop and Portable Devices, Printers and Scanners, Security, Preventive Maintenance and Troubleshooting.

**Meets Graduation Requirement:** Elective
**Meets UC/CSU “a-g” subject area:** g

**Introduction to Education  EDUC953**

Introduction to Education is an introductory course for students interested in careers working with children. Students will learn what it means to be technologically literate in the 21st century. Communication, research, organization, problem solving, responsibility, leadership, teamwork and ethics are all skills students will build in this full year course. Opportunities for students to earn additional credit are available for those students interested in working in after school programs applying the skills they have learned in class.

**Meets Graduation Requirement:** Elective
**Meets UC/CSU “a-g” subject area:** g

**Introduction to Financial Accounting  FNAN950**

This course is a comprehensive introduction to the theory and practice of finance. It is organized around the services and operations of commercial banks. It begins with a focus on the individual as a consumer of bank services and deals with saving, borrowing, budgeting, financial planning, credit use and scores and interest rates. Students learn the uses of mortgages, leases, personal loans, and savings accounts, including tax-deferred retirement accounts. The course then moves to bank management and objectives, financial reports of banks and public companies, and the financial assessment of banks and other companies. The students leave the course with the experience of producing personal financial plans, financial reports on banks and other public companies, and delivering those reports using current business presentation technology and methods. The students visit the Federal Reserve Bank of San Francisco, trading and investment professionals and a credit union as well as have financial professionals visit them in class. They also have the opportunity to work with adults in the community to assist in the preparation of U.S. Federal Income Tax returns.

**Meets Graduation Requirement:** Elective
**Meets UC/CSU “a-g” subject area:** n/a

**Marketing & Entrepreneur  FINA955**

Students will gain an understanding of key economic concepts with a focus on marketing and entrepreneurship, presentation skills, technological literacy, and their role as informed economic participants in a democratic society. Students will learn the key economic and marketing concepts necessary to start a business, and to develop a formal business plan. In addition, students will conduct field research in which they examine the social, ethical, and environmental impact of business activity in their communities. As a result of this research, each student will understand his or her role in community based economic development.

**Meets Graduation Requirement:** Elective
**Meets UC/CSU “a-g” subject area:** n/a
Marketing 1  MARK951
Students will learn the basic principles of marketing and sales and the effects of branding their product or service. They will conduct market research over through focus groups or through the internet and evaluate current marketing trends. Students will also understand how to apply social media and other best practices to make people aware of their product. Students will strengthen their understanding of team building, leadership and responsibilities of an organization by creating businesses.

Meets Graduation Requirement: Elective
Meets UC/CSU “a-g” subject area: n/a

Marketing 2  MARK952
Students will learn the basic principles of marketing and sales and the effects of branding their product or service. They will conduct market research over through focus groups or through the internet and evaluate current marketing trends. Students will also understand how to apply social media and other best practices to make people aware of their product. Students will strengthen their understanding of team building, leadership and responsibilities of an organization by creating businesses.

Meets Graduation Requirement: Elective
Meets UC/CSU “a-g” subject area: n/a

Media Production  MPRD950
Students learn communication skills with video and other multimedia technologies. Students will become proficient in camera, audio, and video editing technologies. Students will gain skills in inquiry-based learning, project management, teamwork, client service, and problem solving. Students are also exposed to aesthetic valuing and creative challenges.

Meets Graduation Requirement: Elective
Meets UC/CSU “a-g” subject area: f, g

Office Occupations  OFFO150A
The purpose of Office Occupations is to provide fundamental clerical skills and hands-on office training in filing, typing, 10-key machine, telephone techniques and office computer software. The class is intended to prepare participants with little or no applicable experience for office occupations. The course will utilize the latest business word processing and spreadsheet programs most often used by employers. After completing Office Occupations, participants will be prepared to meet the minimum requirements of many entry-level clerical and related positions.

Meets Graduation Requirement: Elective
Meets UC/CSU “a-g” subject area: n/a

Pre Law  PLAW950
Topics covered in Pre-Law include contemporary legal issues, constitutional law, contract law, tort law, death penalty, debate, and mock trial. Partnerships with the Street Law program, the University of San Francisco School of Law, and the BAR Association of San Francisco provide guest teachers on topics such as family law, consumer law, housing law, and criminal law. Students learn skills such as public speaking, debates, resume writing, and cover letter writing. Students have the opportunity to participate in paid summer internships at public and private law offices in San Francisco.

Meets Graduation Requirement: Elective
Meets UC/CSU “a-g” subject area: g

Principles of Engineering  PENG950
This survey course of engineering exposes students to major concepts they’ll encounter in a postsecondary engineering course of study. Students employ engineering and scientific concepts in the solution of engineering design problems. They develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges, documenting their work and communicating solutions to peers and members of the professional community.

Meets Graduation Requirement: Elective
Meets UC/CSU “a-g” subject area: g

Principles of Finance  FINA951
This is the first course students take in the Academy of Finance and introduces students to the financial world. Students develop financial literacy as they learn about the function of finance in society. They study income and wealth; examine financial institutions; learn how businesses raise capital; and study key investment-related terms and concepts. They also research how innovations have changed the financial services field. Finally, students explore careers that exist in finance today. Accounting Principles of Accounting provides students with an understanding of the accounting process and how it facilitates decision making by providing data and information to internal and external stakeholders. Students learn that accounting is an integral part of all business activities. They learn how to apply
technology to accounting by creating formulas and inputting data into spreadsheets. Students also examine career opportunities and the professional certifications and designations earned by individuals in the accounting profession.

**Meets Graduation Requirement:** Elective

**Meets UC/CSU “a-g” subject area:** n/a

**Psychology & Learning  PSYL150**

Psychology and Learning includes the study of human behavior, human development, motivation, sensation, personality theory, social psychology, and an in-depth study of the psychology of learning throughout the life span. The course is designed for students interested in pursuing or exploring careers in youth services, psychology, social work, childcare, or education. Students work directly with children at an elementary school to apply what they have learned in class.

**Meets Graduation Requirement:** Elective

**Meets UC/CSU “a-g” subject area:** g

**Psychology and Learning  EDUC952**

Psychology and Learning includes the study of human behavior, human development, motivation, sensation, personality theory, social psychology, and an in-depth study of the psychology of learning throughout the life span. The course is designed for students interested in pursuing or exploring careers in youth services, psychology, social work, childcare, or education. Students work directly with children at an elementary school to apply what they have learned in class.

**Meets Graduation Requirement:** Elective

**Meets UC/CSU “a-g” subject area:** g

**Reflections on Work Based Learning  RWBL950**

Students use a web based system to reflect on their internship experience. This is typically coupled with an in-person class that reinforces appropriate workplace behavior.

**Meets Graduation Requirement:** Elective

**Meets UC/CSU “a-g” subject area:** n/a

**Restaurant Operations & Management 1  REST951**

Using a curriculum developed by the National Restaurant Association, the first year of this 2-year sequence focuses on the Restaurant Industry and Professionalism, exploring the field and career paths within it. Students develop traditional and online resumes, become certified food-handlers, develop knife skills and learn basic poultry and vegetable butchery, weights and measures, safe equipment and food handling practices, costing out dishes, and basic cooking techniques including stocks, soups, sauces, fruits, vegetables, potatoes and grains. In teams, students research and develop a balanced and 3 course menu to fit the concept of their imaginary restaurant, create and cost out standardized the recipes, and prepare to compete with other California ProStart schools in the preparation of that meal from scratch in 1 hour. Students learn to work in teams to layout and manipulate spreadsheets in Microsoft Excel. Students learn to write business letters, thank you notes and other private sector communication. They also must present research and findings to the class and others on a regular basis, to develop their verbal and presentation skills. Students have the opportunities to visit and visit with top employers in the industry, do job shadows and summer internships at top restaurants and hotels, and apply their academic skills in realistic workplace scenarios. Students learn to think like entrepreneurs and solve real world problems using critical reasoning skills and prior academic training.

**Meets Graduation Requirement:** Elective

**Meets UC/CSU “a-g” subject area:** n/a

**Restaurant Operations & Management 2  REST952**

The second year of this class continues to develop both business and cooking skills covered in the first year, but more in depth and with the end goal of developing a business plan and restaurant concept and pitching it to investors - all to spark the beginning of the entrepreneurial spirit. In the kitchen, students reinforce the safety and sanitation skills learned in year one while learning the basics of breakfast, lunch and dinner - eggs, dairy, meat, fish, salads and sandwiches, as well as baked goods, pastries and various world cuisines. Students learn and practice all the classic cooking techniques with local, organic produce, poultry and meat in a restaurant grade kitchen. In the classroom, they're also learning about cost control and pricing, nutrition and marketing, sustainability and competition. Working in teams they must develop their business plans - a viable restaurant concept, its mission statement, its menu and pricing, its cost structure, its budget, its marketing plan, its design and layout, employee handbook and a physical and PowerPoint presentation to pitch to potential investors. They all train to compete with students from all over California in the statewide ProStart business plan competition in March. Students who competed in the culinary completion in their first
year can also compete again, and help train the first year students. Students in both years are expected to help cater various events so as to promote the program and gain real world experience. Students competing both years of the pathway can take an exam to get 3 elective credits at City College of San Francisco in their award winning Culinary program.

**Meets Graduation Requirement:** Elective  
**Meets UC/CSU “a-g” subject area:** n/a

**Sustainable Business**  
**SUSB100**  
This course is an opportunity to learn from professors from the SFSU Graduate School of Business and executives at local businesses about best practices that minimize the impact of business upon the environment. Students will work in teams to identify and develop a project around sustainable business to present to professors, business people and other students.

**Meets Graduation Requirement:** Elective  
**Meets UC/CSU “a-g” subject area:** n/a

**TIES 1  **  
**TIES051**  
Teaching in Elementary Schools (TIES) gives students in an opportunity to gain foundational skills essential to them as future educators. Students are paired with a mentor teacher at an elementary school and work directly with students. Communication skills, professionalism, group facilitation and leadership are emphasized.

**Meets Graduation Requirement:** Elective  
**Meets UC/CSU “a-g” subject area:** n/a

**Transportation**  
**TRNS952**  
Automotive Technology and Safety continues the study of the various aspects that encompass the automotive industry and its related fields. These studies include the interaction of science and technology as they apply to automotive transportation systems and the engineered sub-systems that are responsible for the proper functioning of automobiles, an examination of current professional and safety standards mandated in trade-based environments, and the development of hand-tool and machinery competency.

Furthermore, mathematic and scientific concepts associated with mechanical, electrical, chemical, and computer-engineered systems will also be explored. Students will develop their understanding of science, as it applies to the study of engineered automotive systems, by building on their knowledge of physics and mathematics while conducting a combination of inquiry based research, lab based projects, and problem based simulations using real world examples. Students will be engaged in a theoretical program that integrates academic study with technical skills. This course is proposed in order to prepare and motivate students for varied pathways, including but not limited to; post-secondary education in science and engineering programs, and/or a certificated automotive-based trade program.

**Meets Graduation Requirement:** Elective  
**Meets UC/CSU “a-g” subject area:** n/a

**Travel/Tourism 1  **  
**TOUR951**  
Hospitality & Tourism This is the first course students take in the Academy of Hospitality & Tourism and provides an overview of the current hospitality and tourism industry. Students learn about the history of the industry, explore traveler motivation and consumer needs, the industry’s economic and environmental impacts, domestic and international travel, and sales in tourism. Finally, students explore careers in the hospitality and tourism industry. Students develop a career plan and learn the principles of business communications. Students learn interview skills, to write formal letters and resumes, and to write a business plan. Students are required to keep a journal documenting their reflections as well as their field experiences.

**Meets Graduation Requirement:** Elective  
**Meets UC/CSU “a-g” subject area:** n/a

**Travel/Tourism 2  **  
**TOUR952**  
Hospitality & Tourism This is the first course students take in the Academy of Hospitality & Tourism and provides an overview of the current hospitality and tourism industry. Students learn about the history of the industry, explore traveler motivation and consumer needs, the industry’s economic and environmental impacts, domestic and international travel, and sales in tourism. Finally, students explore careers in the hospitality and tourism industry. Students develop a career plan and learn the principles of business communications. Students learn interview skills, to write formal letters and resumes, and to write a business plan. Students are required to keep a journal documenting their reflections as well as their field experiences.

**Meets Graduation Requirement:** Elective  
**Meets UC/CSU “a-g” subject area:** n/a

**Vehicle Maintenance, Service & Repair  **  
**TRNS951**  
Automotive Technology and Safety is a study of the various aspects that encompass the automotive
industry and its related fields. These studies include the interaction of science and technology as they apply to automotive transportation systems and the engineered sub-systems that are responsible for the proper functioning of automobiles, an examination of current professional and safety standards mandated in trade-based environments, and the development of hand-tool and machinery competency. Furthermore, mathematic and scientific concepts associated with mechanical, electrical, chemical, and computer-engineered systems will also be explored. Students will develop their understanding of science, as it applies to the study of engineered automotive systems, by building on their knowledge of physics and mathematics while conducting a combination of inquiry based research, lab based projects, and problem based simulations using real world examples. Students will be engaged in a theoretical program that integrates academic study with technical skills. This course is proposed in order to prepare and motivate students for varied pathways, including but not limited to; post-secondary education in science and engineering programs, and/or a certificated automotive-based trade program.

**Meets Graduation Requirement:** Elective

**Meets UC/CSU “a-g” subject area:** n/a

### Work Based Learning 1 WBLR900

An Internship is an opportunity for a student to spend time with one or more employees at a business, non-profit organization, or government agency. The objective is to provide an opportunity to observe and gain hands-on experience in how business and industry work. By being at the work site, students will get a firsthand perspective of the skills and tasks required on the job. The goal of the Youth Internship program is to increase the student’s knowledge of workplace skills and receive on-the-job experience. The internship experience is selected based on the student’s chosen career cluster/pathway. In addition, it enables the instructor/coordinator to communicate to students what skills and knowledge are necessary to enter certain careers. Internships also help teachers keep their curricula up-to-date.

**Meets Graduation Requirement:** Elective

**Meets UC/CSU “a-g” subject area:** n/a

### Physical Education

#### Aerobics AERO150

This course introduces a program of cardiovascular fitness involving continuous, rhythmic exercise. Emphasis is on developing cardiovascular efficiency, strength, and flexibility as well as learning safety precautions.

**Meets Graduation Requirement:** PE

**Meets UC/CSU “a-g” subject area:** n/a

#### Athletic Conditioning COND150

This class will introduce the students to many new and challenging activities that are used to develop skill-related physical fitness. Many sport drills will be utilized, and workouts will be drawn from a wide spectrum of sport areas, including both indoor & outdoor sports. An emphasis will be placed on developing fitness and skill for participation in high-intensity sports that require speed, coordination, agility, and power.

**Meets Graduation Requirement:** PE

**Meets UC/CSU “a-g” subject area:** n/a

#### Basketball BSKT150

This course is designed to develop and practice the individual skills and team tactics, rules and regulations for basketball. Students will learn and develop basic individual skills such as; ball handling, dribbling, shooting, passing and defending, and team tactics such as; man to man/zone defenses, a variety of offenses and defenses such as; the forearm pass, set, spike, block, dig, and serve and team tactics such as; communication skills associated with basketball. Theories, rules and regulations, techniques, strategies and tactics, positive social skills and safety are taught and emphasized during this course. Students will be expected to demonstrate knowledge and competency in all basketball related skills, as well as learn the value of positive psychological and sociological strategies that apply to the needs of individuals in a diverse society.

**Meets Graduation Requirement:** PE

**Meets UC/CSU “a-g” subject area:** n/a

#### Court Sports CORT150

This course is designed to develop, learn and practice the individual skills and team tactics, rules and regulations for volleyball and basketball. For volleyball, students will develop basic individual skills such as; the forearm pass, set, spike, block, dig, and serve and team tactics such as communication skills basic offensive and defensive formations, as well as learn the rules, regulations, and terminologies associated with volleyball. For basketball, students will learn and develop basic individual skills such as; ball handling, dribbling, shooting, passing and defending and team tactics such as; man to
Outdoor Education  OUTD150
This course is designed to introduce outdoor adventure activities in a leisure setting that may be enjoyed for a lifetime. Students will acquire skills for camping, outdoor recreation, environmental conservation, adventure education and a diverse assortment of educational experiences. The students will be provided the opportunity to learn the importance of character building through directly experiencing activities which demand respect, responsibility, trustworthiness and courage for survival.

Meets Graduation Requirement: PE
Meets UC/CSU “a-g” subject area: n/a
state mandates that testing occurs during the months of February, March and April.

**Meets Graduation Requirement:** PE
**Meets UC/CSU “a-g” subject area:** n/a

**PE 3  PEPE153**

This course is designed for students to; develop skills, gain knowledge and apply movement patterns in; Aquatics, Rhythms/Dance, and Individual and Dual Activities, as well as the Effects of Physical Activity on Health and Mechanics of Body Movement. Theories, rules and regulations, techniques, strategies and tactics, positive social skills and safety are taught and emphasized during all of the activities. Students will be expected to demonstrate knowledge of and competency in a variety of motor skills, achieve a health related level of physical fitness, demonstrate knowledge of fitness concepts, and learn the value of positive psychological and sociological strategies that apply to the needs of individuals in a diverse society This course may typically include units on;, Yoga, Pilates, Health-Related Fitness, Badminton, Golf, Archery, Pickelball, Frisbee Golf, Tennis, Handball, Track & Field, Fitness, weight/resistance training, CPR/First Aid. Also included during this course is the California state mandated physical fitness test. SFUSD designates FITNESSGRAM as the official physical performance test to measure physical fitness. The state mandates that testing occurs during the months of February, March and April.

**Meets Graduation Requirement:** PE
**Meets UC/CSU “a-g” subject area:** n/a

**PE Adaptive  PEAV650**

This adaptive physical education course modifies the activities to help students meet PE standards, on an individualized basis.

**Meets Graduation Requirement:** PE
**Meets UC/CSU “a-g” subject area:** n/a

**PE Independent Study 1  PEPE155**

Independent Physical Education enables students to complete their Physical Education graduation requirement through an individualized contract that outlines their planned and supervised activity. Students then submit a signed log weekly, that demonstrates 180 minutes per week of activity. Approved activities include club sports, coach-led activities, training programs and supervised physical activity.

**Meets Graduation Requirement:** PE
**Meets UC/CSU “a-g” subject area:** n/a

**PE Independent Study 2  PEPE156**

Independent Physical Education enables students to complete their Physical Education graduation requirement through an individualized contract that outlines their planned and supervised activity. Students then submit a signed log weekly, that demonstrates 180 minutes per week of activity. Approved activities include club sports, coach-led activities, training programs and supervised physical activity.

**Meets Graduation Requirement:** PE
**Meets UC/CSU “a-g” subject area:** n/a

**PE Independent Study 3  PEPE157**

Independent Physical Education enables students to complete their Physical Education graduation requirement through an individualized contract that outlines their planned and supervised activity. Students then submit a signed log weekly, that demonstrates 180 minutes per week of activity. Approved activities include club sports, coach-led activities, training programs and supervised physical activity.
**Meets Graduation Requirement:** PE  
**Meets UC/CSU “a-g” subject area:** n/a

**PE Lab  PELB150**  
This course provides an in depth analysis of the reading strands of phonological awareness, decoding and fluency. It teaches students the theoretical models of reading and language development and differentiated instructional approaches for all students including English Language Learners and special needs students. Focus for the course is on evidence-based instruction and ongoing conversations regarding the linkage between the standards, theory, student work, strategies, assessment, reflection, and technology.  
**Meets Graduation Requirement:** PE  
**Meets UC/CSU “a-g” subject area:** n/a

**Physical Education Advanced  PEPE450**  
Students complete advanced physical education skills, typically in an independently designed program.  
**Meets Graduation Requirement:** PE  
**Meets UC/CSU “a-g” subject area:** n/a

**Racket Sports 1  RCKT150**  
This course provides students with the opportunity to develop a complete skill-set in all aspects of Tennis, Table-Tennis and Badminton. During this course students will learn and develop skills, and gain knowledge in; the forehand, backhand, serve and volley for each sport. Students will learn to play both singles and doubles in each sport. Theories, rules and regulations, techniques, strategies and tactics, positive social skills and safety are taught and emphasized during this course. Students will be expected to demonstrate knowledge and competency in all Racket Sports, as well as learn the value of positive psychological and sociological strategies that apply to the needs of individuals in a diverse society.  
**Meets Graduation Requirement:** PE  
**Meets UC/CSU “a-g” subject area:** n/a

**Recreation Sports  RECS150**  
In recreational sport students develop a lifelong commitment to their own physical well-being, health and fitness with a clear emphasis on a variety of pleasurable physical activities that promote an active life style. Rules, regulations, advanced strategies and safety are emphasized. The students will learn to evaluate personal performance in a variety of activities. Through this course students are encouraged to support and participate in community organizations that promote health and fitness by providing life-long recreational opportunities. The students will also continue to learn the value of positive psychological and sociological strategies that apply to the needs of individuals in a diverse society.  
**Meets Graduation Requirement:** PE  
**Meets UC/CSU “a-g” subject area:** n/a

**Soccer B  SOCC150B**  
The Soccer course is an individual, as well as team coordinated approach to assisting students in understanding the game of soccer as a means of maintaining or improving higher levels of fitness. While developing the individual skills and team play necessary to participate in this sport, the student will receive valuable fitness benefits such as improved cardiovascular health, flexibility, balance, and coordination which will aid the student in keeping a healthy lifestyle.  
**Meets Graduation Requirement:** PE  
**Meets UC/CSU “a-g” subject area:** n/a

**Softball  SBAL150**  
This course is designed to develop, learn and practice the individual skills and team tactics, rules and regulations for softball. The students will develop basic individual skills including; throwing, catching, fielding, batting, base-running, pitching, as well as; team play, offensive and defensive tactics and strategies. Students will be expected to demonstrate knowledge and competency in all aspects of softball, as well as learn the value of positive psychological and sociological strategies that apply to the needs of individuals in a diverse society.
Meets Graduation Requirement: PE
Meets UC/CSU “a-g” subject area: n/a

Swimming  SWIM150
This course is designed to develop and practice basic swimming skills. Students will be instructed in proper stroke techniques including; the crawl stroke, back stroke, breast stroke and butterfly stroke. Upon completion of this course students will be able to demonstrate basic fundamental skills and stroke techniques associated with swimming. Students will be expected to demonstrate knowledge and competency in water safety and survival skills, as well as learn the value of positive psychological and sociological strategies that apply to the needs of individuals in a diverse society. SFUSD graduation requirements include passing a swim proficiency test. The swim proficiency test requires students to; swim 6 widths of the pool in prone position (any stroke including front crawl or breaststroke) and tread water for 1 minute.

Meets Graduation Requirement: PE
Meets UC/CSU “a-g” subject area: n/a

Tennis  TENN150
This course provides students with the opportunity to develop a complete skill-set in all aspects of tennis. During this course students will learn and develop skills, and gain knowledge in; the forehand, backhand, serve and volley. Students will learn to play both singles and doubles tennis. Theories, rules and regulations, techniques, strategies and tactics, positive social skills and safety are taught and emphasized during this course. Students will be expected to demonstrate knowledge and competency in all tennis skills, as well as learn the value of positive psychological and sociological strategies that apply to the needs of individuals in a diverse society.

Meets Graduation Requirement: PE
Meets UC/CSU “a-g” subject area: n/a

Volleyball  VBAL150
This course is designed to develop, learn and practice the individual skills and team tactics, rules and regulations for volleyball. The students will develop basic individual skills such as; the forearm pass, bump, set, spike, block, dig, and serve and team tactics such as communication skills basic offensive and defensive formations, as well as learn the rules, regulations, and terminologies associated with volleyball. Students will be expected to demonstrate knowledge and competency in all aspects of Volleyball, as well as learn the value of positive psychological and sociological strategies that apply to the needs of individuals in a diverse society.

Meets Graduation Requirement: PE
Meets UC/CSU “a-g” subject area: n/a

Weight Training  WGHT150
This course is designed for students to; learn and develop skills, and apply correct and safe movement patterns in; Weights and Resistance Training. The students will learn how to increase; muscular strength, muscular endurance and muscular power. The students will be expected to demonstrate knowledge and competency in all aspects of resistance training including; the skills necessary to design and implement a personalized weight training program. Emphasis is on safety, injury prevention, proper nutrition, anatomy and physiology, proper utilization of weight machines, exercise machines, along with care and use of free weights. The students will also continue to learn the value of positive psychological and sociological strategies that apply to the needs of individuals in a diverse society.

Meets Graduation Requirement: PE
Meets UC/CSU “a-g” subject area: n/a

Electives

AVID 1  AVID151
AVID is a college preparatory program designed to increase the number of students who are eligible for admission to the University of California, California State University, and four-year private colleges and universities. The AVID curriculum consists of seminars offered in note taking, study skills, time management, test-taking strategies, PSAT and college entrance / placement exam preparation, effective textbook reading and library research skills. Guest speakers from colleges and universities and the business community will also visit the AVID classroom. Additionally, collegiate tutoring may be made available to AVID students.

Meets Graduation Requirement: Elective
Meets UC/CSU “a-g” subject area: n/a

AVID 2  AVID152
AVID is a college preparatory program designed to increase the number of students who are eligible for admission to the University of California, California State University, and four-year private colleges and
universities. The AVID curriculum consists of seminars offered in note taking, study skills, time management, test-taking strategies, PSAT and college entrance / placement exam preparation, effective textbook reading and library research skills. Guest speakers from colleges and universities and the business community will also visit the AVID classroom. Additionally, collegiate tutoring may be made available to AVID students.

**Meets Graduation Requirement:** Elective
**Meets UC/CSU “a-g” subject area:** n/a

**AVID 3  AVID153**
AVID is a college preparatory program designed to increase the number of students who are eligible for admission to the University of California, California State University, and four-year private colleges and universities. The AVID curriculum consists of seminars offered in note taking, study skills, time management, test-taking strategies, PSAT and college entrance / placement exam preparation, effective textbook reading and library research skills. Guest speakers from colleges and universities and the business community will also visit the AVID classroom. Additionally, collegiate tutoring may be made available to AVID students.

**Meets Graduation Requirement:** Elective
**Meets UC/CSU “a-g” subject area:** n/a

**AVID Senior Seminar  AVID450**
The AVID Senior Seminar is the culmination of a student’s years in the AVID program. The course involves substantial critical reading and writing, preparation for external exams such as Advanced Placement, and weekly Socratic Seminars. Students enrolled in the Senior Seminar are required to complete weekly timed writings and analytical discourses in subjects across the curriculum. In addition, students are required to make oral presentations to the class on topics related to college entrance, contemporary issues and social concerns. Senior Seminar students are expected to participate in and eventually act as moderators for Socratic Seminars. These discussions move beyond didactic instruction and assist students in gaining multiple perspectives on texts, supporting arguments with clear reasoning and evidence, and developing their critical thinking skills to the degree necessary for success in college. Senior Seminar students are required to produce an extended, reflective essay focusing on one of their areas of study such as mathematics, science, history, English, or world language.

**Meets Graduation Requirement:** College/Career
**Meets UC/CSU “a-g” subject area:** g

**Career Exploration  CARE650**
This course provides students with an opportunity to explore a variety of careers. This course is appropriate for students who are working toward the certificate of completion.

**Meets Graduation Requirement:** Elective
**Meets UC/CSU “a-g” subject area:** n/a

**Career Exploration 2  CARE652**
This course provides students with disabilities with the opportunity to explore a variety of careers.

**Meets Graduation Requirement:** Elective
**Meets UC/CSU “a-g” subject area:** n/a

**Career Exploration 1  CARE651**
This course provides students with disabilities with the opportunity to explore a variety of careers.

**Meets Graduation Requirement:** Elective
**Meets UC/CSU “a-g” subject area:** n/a

**Career Launch  CRLA650**
This course provides students with an opportunity to explore a variety of careers. This course is appropriate for students who are working toward the certificate of completion.

**Meets Graduation Requirement:** Elective
**Meets UC/CSU “a-g” subject area:** n/a

**Career Preparation  CARE653**
The purpose of this course is to enable students with disabilities to acquire the career knowledge and skills necessary to identify career options, obtain community resources, and develop work-related behaviors. The course will provide a foundation for further progress toward achieving the student’s desired post-school outcomes related to a career.

**Meets Graduation Requirement:** Elective
**Meets UC/CSU “a-g” subject area:** n/a

**Career Preparation A  CRPR650A**
This course provides students with an opportunity to explore a variety of careers. This course is appropriate for students who are working toward the certificate of completion.

**Meets Graduation Requirement:** Elective
**Meets UC/CSU “a-g” subject area:** n/a

**Career Work Experience  CRWK650**
This course provides students with an opportunity to explore a variety of careers. This course is appropriate for students who are working toward
the certificate of completion.

**Meets Graduation Requirement:** Elective
**Meets UC/CSU “a-g” subject area:** n/a

**CMC Math    CMCC650**
Connecting Math Concepts gives students who are at-risk of falling behind or who have already fallen behind the chance to catch up and learn significant mathematics.

**Meets Graduation Requirement:** Elective
**Meets UC/CSU “a-g” subject area:** n/a

**College/Career    COCA150**
This is a required course for graduation. All students are exposed to college and career opportunities and create an individualized six-year plan. This course uses the Plan Ahead curriculum developed by The Gap Foundation.

**Meets Graduation Requirement:** College/Career
**Meets UC/CSU “a-g” subject area:** n/a

**Community Based Work    CBWK650**
Students learn employment skills in community based work situations. This course is appropriate for students working toward the certificate of completion.

**Meets Graduation Requirement:** Elective
**Meets UC/CSU “a-g” subject area:** n/a

**Community Service    CMSR650**
Students participate in various community service projects. This course is designed for students working toward the certificate of completion.

**Meets Graduation Requirement:** Elective
**Meets UC/CSU “a-g” subject area:** n/a

**Consumer Education    CNSM950**
This course teaches the elements of consumer education including the right to safety, the right to information, the right to choice, the right to be heard, the right to redress and the right to consumer education.

**Meets Graduation Requirement:** Elective
**Meets UC/CSU “a-g” subject area:** n/a

**Critical Thinking and Social Change    CRTH150**
Through the interdisciplinary study of literature, history, sociology, and critical theory, students will learn to critically analyze multiple texts in order to reflect on personal and collective identity for community impact. With literary texts, historical case-studies, and theoretical frameworks, students will closely examine their construction of identity alongside the construction of institutions and develop the knowledge and skills to address the inequities in their schools and communities. Students will have scaffolded opportunities to plan, implement, and evaluate in their own praxis.

**Meets Graduation Requirement:** Elective
**Meets UC/CSU “a-g” subject area:** g

**Driver Education    DRIV150**
Driver education and driver training provide the foundation for the skills and attitudes teens will use for the rest of their lives. The knowledge, skills, and attitudes they learn in driver education/training classes can help them avoid traffic tickets, lower their chances of being involved in accidents, and make them into safer drivers.

**Meets Graduation Requirement:** Elective
**Meets UC/CSU “a-g” subject area:** n/a

**Food Justice    FJUS150**
This course examines the role of policy in determining WHAT we eat, WHO experiences barriers to access to safe, healthy, local, fairly produced foods, and HOW we create equity and sustainability in our local food system. We will look at the basic components of our food system: production, distribution, and consumption. We will then examine systemic structures of race, class, citizenship and ability as they relate to access to healthy local food.

**Meets Graduation Requirement:** Elective
**Meets UC/CSU “a-g” subject area:** n/a

**Health    HLTH150**
SFUSD Board Policy requires one semester of high school health education with the goal of providing students with knowledge, skills, and attitudes to promote health and wellness. Students in 9th or 10th grade study a personal and social skills based curriculum which focuses on accepting personal responsibility in making decisions that will enhance health literacy. The course includes nutritional and physical fitness awareness. It addresses issues of mental and emotional health, including stress management. Discussions also focus on the use, misuse, and abuse of drugs, including skills to resist negative peer and media pressure. The topics of sexuality and the importance of social relationships, effective communication, diseases and disorders, including sexually transmitted diseases are covered. Concerns of environmental and public health issues, and safety and emergency care, as well as planning for a healthful lifestyle are stressed. Course content and delivery follows District adopted curriculum and
guidelines provided by California Challenge Health Education Standards, and the California Health Framework.

**Meets Graduation Requirement:** Health
**Meets UC/CSU “a-g” subject area:** n/a

**Internship 1A**  NTRN101A
An Internship is an opportunity for a student to spend time with one or more employees at a business, non-profit organization, or government agency. The objective is to provide an opportunity to observe and gain hands-on experience in how business and industry work. By being at the work site, students will get a firsthand perspective of the skills and tasks required on the job. The goal of the Youth Internship program is to increase the student’s knowledge of workplace skills and receive on-the-job experience. The internship experience is selected based on the student’s chosen career cluster/pathway. In addition, it enables the instructor/coordinator to communicate to students what skills and knowledge are necessary to enter certain careers. Internships also help teachers keep their curricula up-to-date.

**Meets Graduation Requirement:** Elective
**Meets UC/CSU “a-g” subject area:** n/a

**Job Learning**  WKBL650
Students participate in opportunities that occur at a workplace, providing structured learning experiences for youth through exposure to a range of occupations.

**Meets Graduation Requirement:** Elective
**Meets UC/CSU “a-g” subject area:** n/a

**JROTC 1**  JRTC151
Introduction to leadership development is a two-semester course consisting of the history, purpose and objectives of the JROTC program. Leadership theory, management principles, personality needs and group dynamics, oral communication, map reading, drill and ceremonies, first aid, hygiene, physical conditioning, drug and alcohol abuse, rifle marksmanship and safety are the primary topics. Advanced leadership consists of problem solving and management, serving in leadership positions, presenting instruction, preparing job applications and resumes, practical supervision of junior cadets, and physical conditioning.

**Meets Graduation Requirement:** Elective
**Meets UC/CSU “a-g” subject area:** n/a

**JROTC 2**  JRTC152
Introduction to leadership development is a two-semester course consisting of the history, purpose and objectives of the JROTC program. Leadership theory, management principles, personality needs and group dynamics, oral communication, map reading, drill and ceremonies, first aid, hygiene, physical conditioning, drug and alcohol abuse, rifle marksmanship and safety are the primary topics. Advanced leadership consists of problem solving and management, serving in leadership positions, presenting instruction, preparing job applications and resumes, practical supervision of junior cadets, and physical conditioning.

**Meets Graduation Requirement:** Elective
**Meets UC/CSU “a-g” subject area:** n/a

**JROTC 3**  JRTC153
Introduction to leadership development is a two-semester course consisting of the history, purpose and objectives of the JROTC program. Leadership theory, management principles, personality needs and group dynamics, oral communication, map reading, drill and ceremonies, first aid, hygiene, physical conditioning, drug and alcohol abuse, rifle marksmanship and safety are the primary topics. Advanced leadership consists of problem solving and management, serving in leadership positions, presenting instruction, preparing job applications and resumes, practical supervision of junior cadets, and physical conditioning.

**Meets Graduation Requirement:** Elective
**Meets UC/CSU “a-g” subject area:** n/a

**JROTC 4**  JRTC154
Introduction to leadership development is a two-semester course consisting of the history, purpose and objectives of the JROTC program. Leadership theory, management principles, personality needs and group dynamics, oral communication, map reading, drill and ceremonies, first aid, hygiene, physical conditioning, drug and alcohol abuse, rifle marksmanship and safety are the primary topics. Advanced leadership consists of problem solving and management, serving in leadership positions, presenting instruction, preparing job applications and resumes, practical supervision of junior cadets, and physical conditioning.

**Meets Graduation Requirement:** Elective
**Meets UC/CSU “a-g” subject area:** n/a

**JROTC Drill Lab**  JRDR150
Students enrolled in this course learn drill and
ceremonies and participate in exercises of precision drill with or without rifles. Exercises in Cadence Drill, Manual Drill, Exhibition Drill, Marching Drill, Singing Drill, and Regulation March Drill are a part of this course.

**Meets Graduation Requirement:** Elective  
**Meets UC/CSU “a-g” subject area:** n/a

**JROTC Leaders Lab JRLD150**  
The focus is on self-development, leadership, and decision making for future achievement and success.  
**Meets Graduation Requirement:** Elective  
**Meets UC/CSU “a-g” subject area:** n/a

**JROTC Riflery JRRF150**  
The content of this course is safety, maintenance, and handling of the .22 caliber rifle or the air pellet rifle. The program develops marksmanship and coaching skills. Students may compete against other schools and Junior National Rifle Association teams. Satisfactory participation in team activities may lead to a Block Letter Award for riflery.  
**Meets Graduation Requirement:** Elective  
**Meets UC/CSU “a-g” subject area:** n/a

**Junior Achievement JRAC150**  
The Junior Achievement program fosters work-readiness, entrepreneurship and financial literacy skills, and uses experiential learning to inspire students to dream big and reach their potential.  
**Meets Graduation Requirement:** Elective  
**Meets UC/CSU “a-g” subject area:** n/a

**Leadership 1 LDRS151**  
A course which develops the unique characteristics, attitudes, and skills which empower people to make significant changes in themselves and to move others in new and positive directions. Students develop characteristics which enable them to function effectively and efficiently in performing a variety of tasks related to student government. Students develop skills which enable them to effect change or accomplish goals through group processes.  
**Meets Graduation Requirement:** Elective  
**Meets UC/CSU “a-g” subject area:** n/a

**Leadership 2 LDRS152**  
A course which develops the unique characteristics, attitudes, and skills which empower people to make significant changes in themselves and to move others in new and positive directions. Students develop characteristics which enable them to function effectively and efficiently in performing a variety of tasks related to student government. Students develop skills which enable them to effect change or accomplish goals through group processes.  
**Meets Graduation Requirement:** Elective  
**Meets UC/CSU “a-g” subject area:** n/a

**Leadership 3 LDRS153**  
A course which develops the unique characteristics, attitudes, and skills which empower people to make significant changes in themselves and to move others in new and positive directions. Students develop characteristics which enable them to function effectively and efficiently in performing a variety of tasks related to student government. Students develop skills which enable them to effect change or accomplish goals through group processes.  
**Meets Graduation Requirement:** Elective  
**Meets UC/CSU “a-g” subject area:** n/a

**Leadership 4 LDRS154**  
A course which develops the unique characteristics, attitudes, and skills which empower people to make significant changes in themselves and to move others in new and positive directions. Students develop characteristics which enable them to function effectively and efficiently in performing a variety of tasks related to student government. Students develop skills which enable them to effect change or accomplish goals through group processes.  
**Meets Graduation Requirement:** Elective  
**Meets UC/CSU “a-g” subject area:** n/a

**Library Training LIRB100**  
Students learn library routines and organization as they develop on the job skills by checking materials in and out; processing, organizing, and shelving materials; and, assisting others in using the library. They also learn specific library vocabulary and how to use the library to access information in print, on the Internet and in other electronic formats. They learn to follow directions and to work cooperatively with others to accomplish a task.  
**Meets Graduation Requirement:** Elective  
**Meets UC/CSU “a-g” subject area:** n/a

**Life Skills LIFE650**  
Life skills are a combination of academic skills and daily living skills necessary to participate as independently as possible in the community. The
Life Skills program is a self-contained classroom for students with disabilities in grades nine through twelve. Life Skills is a blend of functional academics and daily living skills. Areas covered may include: managing personal finances, living in a household, caring for personal needs, safety awareness, preparing, and consuming food, buying and caring for clothing, exhibiting responsible citizenship, using recreational facilities and engaging in leisure time activities, personal and public transportation, using community resources, knowing and exploring occupational choices, selecting and planning occupational choices, exhibiting appropriate work habits and behavior, seeking, securing, and maintaining employment, transition planning, using appropriate social skills with friends, co-workers, and other citizens, communication, technology and the applications for daily life, social skills, character building, self-awareness development, self-confidence development, self-advocacy, socially responsible behavior, interpersonal skills development, achieving independence, problem solving skills, guardianship and future planning for adulthood, alternative communication. The Individualized Educational Profile (IEP) designates the specific learning plan for each student during the school year in addition to the functional academics and is enhanced with additional life skills and necessary topics to assure each student is as prepared as possible for life after high school.

**Meets Graduation Requirement:** Elective
**Meets UC/CSU “a-g” subject area:** n/a

**Life Skills 1A**  LIFE650A
Life skills are a combination of academic skills and daily living skills necessary to participate as independently as possible in the community. The Life Skills program is a self-contained classroom for students with disabilities in grades nine through twelve. Life Skills is a blend of functional academics and daily living skills. Areas covered may include: managing personal finances, living in a household, caring for personal needs, safety awareness, preparing, and consuming food, buying and caring for clothing, exhibiting responsible citizenship, using recreational facilities and engaging in leisure time activities, personal and public transportation, using community resources, knowing and exploring occupational choices, selecting and planning occupational choices, exhibiting appropriate work habits and behavior, seeking, securing, and maintaining employment, transition planning, using appropriate social skills with friends, co-workers, and other citizens, communication, technology and the applications for daily life, social skills, character building, self-awareness development, self-confidence development, self-advocacy, socially responsible behavior, interpersonal skills development, achieving independence, problem solving skills, guardianship and future planning for adulthood, alternative communication. The Individualized Educational Profile (IEP) designates the specific learning plan for each student during the school year in addition to the functional academics and is enhanced with additional life skills and necessary topics to assure each student is as prepared as possible for life after high school.

**Meets Graduation Requirement:** Elective
**Meets UC/CSU “a-g” subject area:** n/a

**Life Skills 1B**  LIFE650B
Life skills are a combination of academic skills and daily living skills necessary to participate as independently as possible in the community. The Life Skills program is a self-contained classroom for students with disabilities in grades nine through twelve. Life Skills is a blend of functional academics and daily living skills. Areas covered may include: managing personal finances, living in a household, caring for personal needs, safety awareness, preparing, and consuming food, buying and caring for clothing, exhibiting responsible citizenship, using recreational facilities and engaging in leisure time activities, personal and public transportation, using community resources, knowing and exploring occupational choices, selecting and planning occupational choices, exhibiting appropriate work habits and behavior, seeking, securing, and maintaining employment, transition planning, using appropriate social skills with friends, co-workers, and other citizens, communication, technology and the applications for daily life, social skills, character building, self-awareness development, self-confidence development, self-advocacy, socially responsible behavior, interpersonal skills development, achieving independence, problem solving skills, guardianship and future planning for adulthood, alternative communication. The Individualized Educational Profile (IEP) designates the specific learning plan for each student during the school year in addition to the functional academics and is enhanced with additional life skills and necessary topics to assure each student is as prepared as possible for life after high school.

**Meets Graduation Requirement:** Elective
**Meets UC/CSU “a-g” subject area:** n/a
Naval Science 1  NAVL151
This course outlines the Navy JROTC program that includes the mission and organization of the US Navy, its customs, leadership training, history, basic seamanship, navigation principles and health education.

**Meets Graduation Requirement:** Elective
**Meets UC/CSU “a-g” subject area:** n/a

Naval Science 2  NAVL152
The content of this course consists of naval orientation and career planning, leadership instruction, first aid and drill. Additional instruction is given in naval operations and communications, intelligence and national security, ships and shipboard evolution, and health education.

**Meets Graduation Requirement:** Elective
**Meets UC/CSU “a-g” subject area:** n/a

Naval Science 3  NAVL153
This course includes the following information and instruction: programs and benefits of naval service, naval leadership and discipline, meteorology, astronomy, electronics, seamanship, drill and ceremonies.

**Meets Graduation Requirement:** Elective
**Meets UC/CSU “a-g” subject area:** n/a

Naval Science 4  NAVL154
This course includes the following information and instruction: programs and benefits of naval service, naval leadership and discipline, meteorology, astronomy, electronics, seamanship, drill and ceremonies.

**Meets Graduation Requirement:** Elective
**Meets UC/CSU “a-g” subject area:** n/a

Peer Tutoring  PEER050
Peer tutors reinforce basic skills that traditionally lead to academic success, including study habits, time management, problem solving techniques, and teacher-student interactions. They also help students with classroom lessons, homework assignments, and test preparation.

**Meets Graduation Requirement:** Elective
**Meets UC/CSU “a-g” subject area:** n/a

Preparation  PREP000
This is a placeholder for teacher’s prep.

**Meets Graduation Requirement:** Elective
**Meets UC/CSU “a-g” subject area:** n/a

Reach D  DDC6650
Reach Reading is a specially designed reading program for students with disabilities.

**Meets Graduation Requirement:** Elective
**Meets UC/CSU “a-g” subject area:** n/a

Senior Seminar  SRSM150
The senior seminar is a demonstration by a student that he or she is ready to graduate. It shows that the student can think well and use important skills and knowledge. Choosing from the areas of service learning, internship, or an individual in-depth research project, students gain mastery in a particular area.

**Meets Graduation Requirement:** Elective
**Meets UC/CSU “a-g” subject area:** n/a

Skills Strategies  STSK650
The purpose of this course is to provide a student who struggles with certain aspects of learning with the necessary study skills and academic guidance in order to have a successful scholastic experience at the secondary level. In addition to receiving instruction and practice in basic academic skills (organization, effective study habits, note taking, time management, critical thinking, effective speaking, college preparation, etc.), each student will explore his/her unique learning abilities and disabilities and will be exposed to strategies for using his/her academic strengths to compensate for academic weaknesses. As well, the student will receive individual assistance and guidance in the work that he/she completes for his/her academic courses which may include relearning a lesson not previously understood, receiving assistance with homework assignments or test preparation, utilizing extended testing time or other accommodations indicated in the results of the student’s academic testing.

**Meets Graduation Requirement:** Elective
**Meets UC/CSU “a-g” subject area:** n/a

STEM - Makers  STMM150
Students learning science, technology, engineering and math skills while working a makers environment.

**Meets Graduation Requirement:** Elective
**Meets UC/CSU “a-g” subject area:** n/a

Step To College  STEP150
Step to College works with students to increase graduation rates of underrepresented, low-income students and to help students make a successful transition into higher education. In the program, students earn college credit while in high school.
Strategies for Success STRS150
Strategies for Success is a one-year course designed to assist ninth grade students in their transition from middle school to high school, particularly in their adaptation to the demands of school’s academic culture. The students learn techniques such as effective time management, consistent organization, assertive communication, outlining, note-taking from lectures and from reading, test-taking skills, and SQ3R (a reading comprehension technique). In addition, the course includes the discussion of topics such as self-discipline, responsibility, and the setting of short-term and long-term goals. Students are encouraged to reflect honestly about the positive and negative consequences of their past choices and about their power and capability to make the best possible choices in the future. Finally, the course provides academic and personal support by allowing time for study groups, peer tutoring, and peer counseling.

Meets Graduation Requirement: Elective
Meets UC/CSU “a-g” subject area: n/a

Student Activity STAC150
This course is used for student leaders that are coordinating student activities. It is also used as a placeholder for teachers who serve as the student activity coordinator.

Meets Graduation Requirement: Elective
Meets UC/CSU “a-g” subject area: n/a

Student Aide AIDE150
In this class, students will be assigned to work under the supervision of a teacher, counselor, librarian or office secretary. They will be expected to do typing, filing, duplicating, assisting in preparation of non-student, non-confidential records. This may include using office machines such as duplication or fax machine, or setting up lcd projectors or classroom laptops. Students often duplicate and collate handouts for future assignments, file materials or word process materials Students may be assigned to do other such projects such as creating, preparing and posting bulletin boards and making room or hall displays.

Meets Graduation Requirement: Elective
Meets UC/CSU “a-g” subject area: n/a

Study Hall HALL150
This course provides time for students to study or work on class assignments.

Meets Graduation Requirement: Elective
Meets UC/CSU “a-g” subject area: n/a

Study Skills STSK150
The purpose of this course is to provide a student with the necessary study skills and academic guidance in order to have a successful scholastic experience at the secondary level. In addition to receiving instruction and practice in basic academic skills (organization, effective study habits, note taking, time management, critical thinking, effective speaking, college preparation, etc.), each student will explore his/her unique learning abilities and will be exposed to strategies for using his/her academic strengths.

Meets Graduation Requirement: Elective
Meets UC/CSU “a-g” subject area: n/a

Teacher Aide TA100
In this class, students will be assigned to work under the supervision of a teacher, counselor, librarian or office secretary. They will be expected to do typing, filing, duplicating, assisting in preparation of non-student, non-confidential records. This may include using office machines such as duplication or fax machine, or setting up lcd projectors or classroom laptops. Students often duplicate and collate handouts for future assignments, file materials or word process materials Students may be assigned to do other such projects such as creating, preparing and posting bulletin boards and making room or hall displays.

Meets Graduation Requirement: Elective
Meets UC/CSU “a-g” subject area: n/a

Teacher Assistant ASST150
In this class, students will be assigned to work under the supervision of a teacher, counselor, librarian or office secretary. Student may assist in the classroom and may complete typing, filing, duplicating tasks, or assisting in preparation of non-student, non-confidential records. This may include using office machines such as duplication or fax machine, or setting up lcd projectors or classroom laptops. Students often duplicate and collate handouts for future assignments, file materials or word process materials Students may be assigned to do other such projects such as creating, preparing and posting bulletin boards and making room or hall displays.

Meets Graduation Requirement: Elective
Meets UC/CSU “a-g” subject area: n/a
Tutoring   TUTR050
Students receive support in a specific academic area.
Meets Graduation Requirement: Elective
Meets UC/CSU “a-g” subject area: n/a

Work Based Learning   WBLR650
An Internship is an opportunity for a student to spend time with one or more employees at a business, non-profit organization, or government agency. The objective is to provide an opportunity to observe and gain hands-on experience in how business and industry work. By being at the worksite, students will get a firsthand perspective of the skills and tasks required on the job. The goal of the Youth Internship program is to increase the student’s knowledge of workplace skills and receive on-the-job experience. This course is designed for students working toward the certificate of completion.
Meets Graduation Requirement: Elective
Meets UC/CSU “a-g” subject area: n/a

XL CCSF 1   XLCC150
High school counselors identify and recommend 11th and 12th grade students whom, in the counselor’s judgment, would succeed academically in university-level courses. Recommended students may then enroll at City College if they meet the course prerequisites and if space is available in the class at the time of registration. Units earned in this manner are offered toward graduation from high school and for college credit. All such courses carry college credit which may be applied toward City College graduation for an Associate degree or transferred to another college. All credits for such courses are accepted by the California State University system. Certain courses may be acceptable for transfer to the University of California.
Meets Graduation Requirement: Elective
Meets UC/CSU “a-g” subject area: n/a
# Social Science – “a”

30 “a” credits are required (including Economics, which is a “g”)

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### English – “b”

40 “b” credits are required (only 10 ELD credits may be used)

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Mathematics – “c”

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